

Wisconsin Births and Infant Deaths 1999

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Bureau of Health Information
Division of Health Care Financing
Department of Health and Family Services

Introduction

This report presents information about births that occurred in 1999 to Wisconsin residents. Information from previous years is also presented to show changes over time. Included is information on the number and rate of live births; demographic characteristics of the mother, such as age, race, marital status, education and number of previous births; characteristics of pregnancy and delivery, including the trimester that prenatal care began, number of visits, and whether the mother smoked during pregnancy; and characteristics of the newborn. Also included is information about infants who died before their first birthday, and fetuses of more than 20 weeks gestation who were stillborn.

All data in this report refer to Wisconsin residents unless otherwise noted. In most tables, events have been assigned to the area where the person lives (usually legal residence), regardless of the place of the event. For births, the reference is to the residence of the mother. For deaths, the reference is to the residence of the infant.

The indicators included in this report have been selected based on their availability from birth and infant death records and their use in identifying health risks, as determined by national and international studies. The data files used are: Wisconsin resident birth certificate file, matched birth-death file, and fetal death file. The tables and graphics presented were designed to make these indicators easily accessible, while allowing users flexibility. Most tables include the frequencies of events or conditions, along with percentages or rates. In general, bar graphs show cross-sectional data for 1999 (and comparative information for 1989 or 1992); line graphs show time trends, and vary in the years shown for comparison.

Chapter 69 of the Wisconsin Statutes mandates the Department of Health and Family Services to supervise and direct the collection of birth data from hospitals and birth attendants. State law also requires the Department to protect the confidentiality of birth data, and to ensure that statistical information based on the data (such as that contained in this report) does not identify any individual. The Bureau of Health Information in the Department of Health and Family Services scrupulously follows written procedures to protect the confidential data entrusted to it.

The National Center for Health Statistics works with representatives of all 50 states to select the specific data items collected on the birth record. Data items are chosen for their usefulness in understanding and improving maternal and child health outcomes. A sample of the Wisconsin birth record is included in the Technical Notes (pages 98 and 99). Samples are also provided of the Wisconsin death certificate, and the Wisconsin report of fetal death (see pages 100 and 101).

Birth, death, hospitalization and other health-related statistical information for Wisconsin is also available through the Internet on the Department of Health and Family Services web site, at www.dhfs.state.wi.us/births.

The Department of Health and Family Services produced this publication. Staff of the Division of Health Care Financing, Bureau of Health Information, Vital Records Section, Registration and Statistics Unit, collected and compiled the birth, infant death and fetal death records. Jan Silbaugh prepared the report. Patricia Nametz updated the narrative and also edited the report. Page layout and technical assistance with graphics were provided by Beverly Smith. The report was prepared under the overall direction of Sandra Breitborde, Deputy Director, Bureau of Health Information, and the supervision of Jan Heimbruch, State Registrar and Chief of the Vital Records Section.

The Bureau of Health Information acknowledges and thanks the Wisconsin hospitals and birth attendants who contributed birth information, and their counterparts in neighboring states who submitted out-of-state birth data for Wisconsin residents.

Comments, suggestions and requests for further information may be addressed to:

Bureau of Health Information
Division of Health Care Financing
P. O. Box 309, Room 172
Madison WI 53701-0309
(608) 266-2838, or silbajl@dhfs.state.wi.us

Key Findings

- In 1999, there were 68,181 live births to Wisconsin residents, 802 more than in 1998. This represents the second consecutive increase in the annual number of births.
- The 1999 crude birth rate was 12.9 births per 1,000 total population, similar to the 1998 rate (12.8). The preliminary United States crude birth rate for 1999 was 14.5 per 1,000 total population. (The crude birth rate is the number of live births per 1,000 estimated total population.)
- The 1999 general fertility rate of 58.8 births per 1,000 Wisconsin females aged 15-44 was lower than the United States 1999 preliminary general fertility rate of 65.8 (see Technical Notes, page 102, for source of U.S. data).
- In 1999, the fertility rate for Wisconsin teens aged 15-19 was 36.0 births per 1,000 females in this age group. This was slightly higher than the rate in 1998 (35.1), the lowest teen fertility rate since 1980. The Wisconsin teen fertility rate has generally been around two-thirds the national rate.
- Wisconsin age-specific fertility rates were also lower than the national rates for women aged 20-24 and ages 35 and older, while fertility rates among Wisconsin women aged 25-34 were slightly higher than national rates (see page 8).
- From 1989 to 1999, the percent of total births that occurred among women aged 20-29 decreased, while the percent of births to women aged 30 and older increased. The proportion of births to teens (under 20) remained about the same.
- From 1989 to 1999, the proportion of births to non-Hispanic white women decreased from 85 percent to 80 percent, while the proportion of births to Hispanics increased from 2 percent to 6 percent. The proportion of births to women in other race/ethnicity groups remained roughly stable, with black women accounting for 9-10 percent, American Indian women 1 percent, and women in other groups 2 or 3 percent of births each year.
- Thirty percent of Wisconsin births in 1999 were to unmarried women, compared to 23 percent in 1989. The 1999 nonmarital birth percentage in Wisconsin was lower than the 1999 national rate of 33 percent.
- In 1999, 16 percent of Wisconsin women who gave birth had less than a high school education, compared to 17 percent in 1989. Fifty-two percent of women who gave birth in 1999 had one year of college or more, compared to 40 percent in 1989.
- The overall proportion of women who received first-trimester prenatal care increased from 81 percent in 1989 to 84 percent in 1999. The proportion also increased among teenagers, among females aged 40 and over, and within each race/ethnicity group.
- The proportion of women giving birth who reported that they smoked during pregnancy decreased from 22 percent in 1992 to 17 percent in 1999.
- In 1999, 4,552 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.7 percent of all births (6.5 percent in 1998.) In

comparison, 7.6 percent of all infants born in the United States in 1999 weighed less than 2,500 grams.

- Among these low birthweight infants, 870 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The very low birthweight percentage was 1.3 percent among all births, but 1.1 percent of births to whites, 2.8 percent of births to blacks, 1.0 percent of births to American Indians, and 1.6 percent of births to Laotian/Hmong.
- In 1999, 7,108 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.4 percent of all births (10.3 percent in 1998). (See Technical Notes, page 103, for full definition of prematurity.)
- In Wisconsin, 456 infants under age one died in 1999. The 1999 infant mortality rate was 6.7 infant deaths per 1,000 live births, lower than the 1998 rate (7.2). The 1998 U.S. infant mortality rate (the latest available data) was also 7.2 infant deaths per 1,000 live births.
- The black infant mortality rate for 1999 (14.9 deaths per 1,000 births to black mothers) was lower than the comparable rate in 1998 (17.9), and lower than the 1989 rate (18.9). The 1999 white infant mortality rate (5.7 deaths per 1,000 births to white mothers) was similar to the 1998 rate (5.6), but lower than the 1989 rate (7.9).

**Ten Most Popular First Names for Newborns,
Wisconsin, 1999**

Females

1. Emily
2. Hannah
3. Alexis
4. Taylor
5. Megan
6. Samantha
7. Emma
8. Elizabeth
9. Abigail
10. Ashley

Males

1. Jacob
2. Austin
3. Tyler
4. Michael
5. Matthew
6. Nicholas
7. Ryan
8. Joshua
9. Andrew
10. Zachary

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: This ranking counts each spelling as a separate name. The list would change somewhat if different spellings were grouped together and counted as one name. For example, counting Kaitlyn, Katelyn, Caitlin and Kaitlin as one name would place it into the top ten list for 1999.

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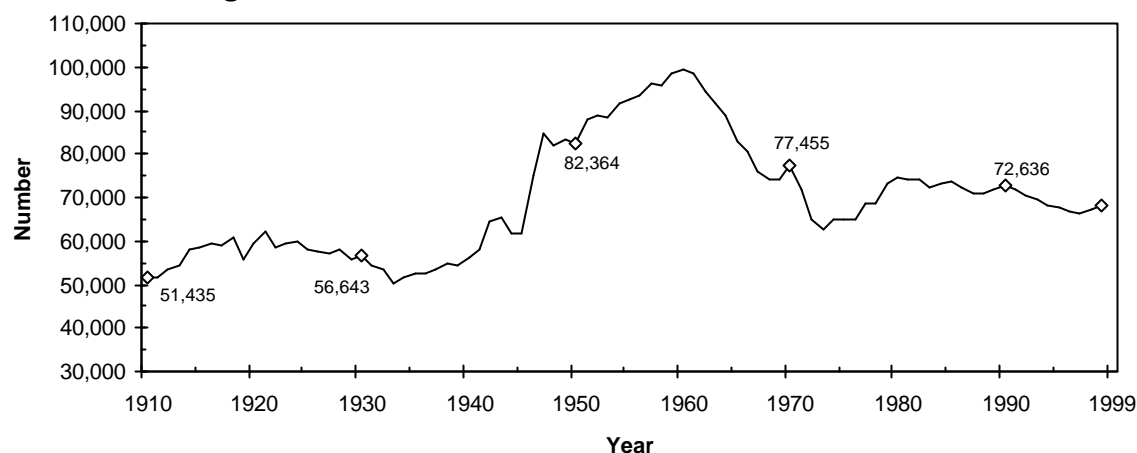
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Birth and Fertility Rates

- In 1999, there were 68,181 births to Wisconsin residents, 802 more than in 1998.
- 1999 marked the second consecutive increase in the annual number of births. From 1991 to 1997 the number of births to Wisconsin residents declined annually.
- The 1999 crude birth rate was 12.9 births per 1,000 population, similar to the 1998 rate (12.8). In comparison, the preliminary United States crude birth rate for 1999 was 14.5 births per 1,000 population. (The crude birth rate is the number of live births per 1,000 estimated total population).
- The 1999 general fertility rate of 58.8 births per 1,000 Wisconsin females ages 15-44 was lower than the 1999 preliminary United States general fertility rate of 65.8 births per 1,000 females in this age group.

Figure 1. Number of Births to Wisconsin Residents, 1910-1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: A live birth is the complete expulsion or extraction of an infant from its mother, regardless of the duration of pregnancy, after which the infant breathes or shows other evidence of life, such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles. Unless otherwise noted, all births referred to in this report are live births to Wisconsin residents.

- Age-specific fertility rates are the number of births to a specific age group per 1,000 females in that age group. Wisconsin age-specific fertility rates are lower than the corresponding national rates for teens, women aged 20-24 and women aged 35 and older.
- Fertility rates among Wisconsin women aged 25-34 are slightly higher than national rates, based on United States 1999 preliminary statistics. (See Technical Notes, page 102, for source of U.S. data.)

Age-Specific Fertility Rates, Wisconsin and United States, 1999

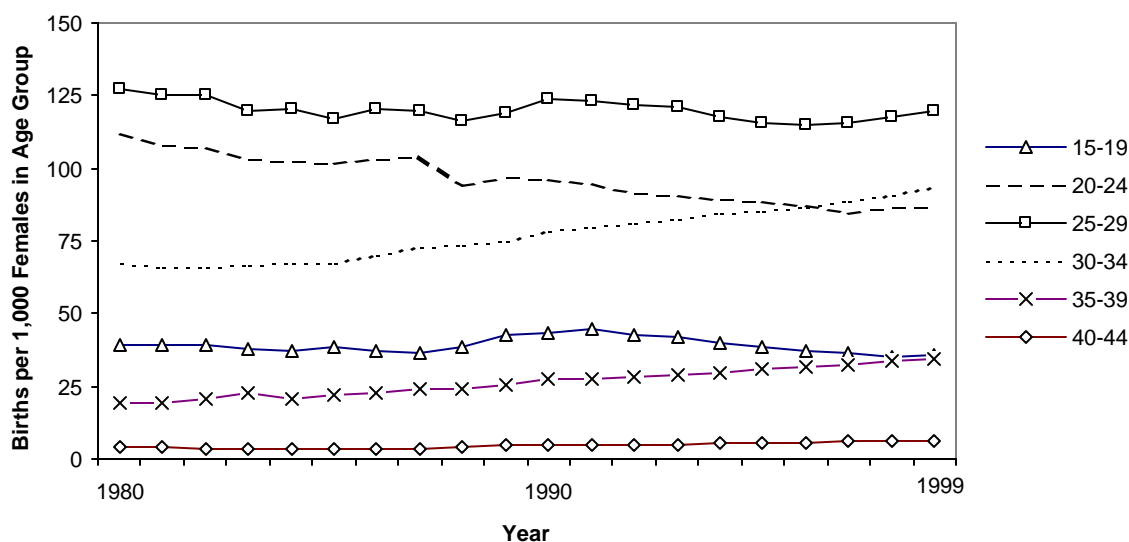
Age	Wisconsin Rate	U.S. Rate
15-19	36.0	49.6
15-17	21.2	28.7
18-19	57.4	80.2
20-24	86.9	111.0
25-29	119.8	117.8
30-34	93.8	89.6
35-39	34.3	38.3
40-44	6.1	7.4

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Wisconsin rates for births to mothers ages 15-19 and 15-17 include 116 births to mothers less than 15 years old; the rate for mothers aged 40-44 includes 71 births to mothers aged 45 or older. U.S. rates for ages 15-19 and 15-17 do not include births to mothers less than 15 years old; the U.S. rate for ages 40-44 does not include births to mothers aged 45 or older.

- Compared with 1980, age specific fertility rates in 1999 were:
 - Lower for teens, women aged 20-24, and women aged 25-29.
 - Higher for women aged 30-34 and 35 plus.

Figure 2. Age-Specific Fertility Rates, Wisconsin, 1980-1999

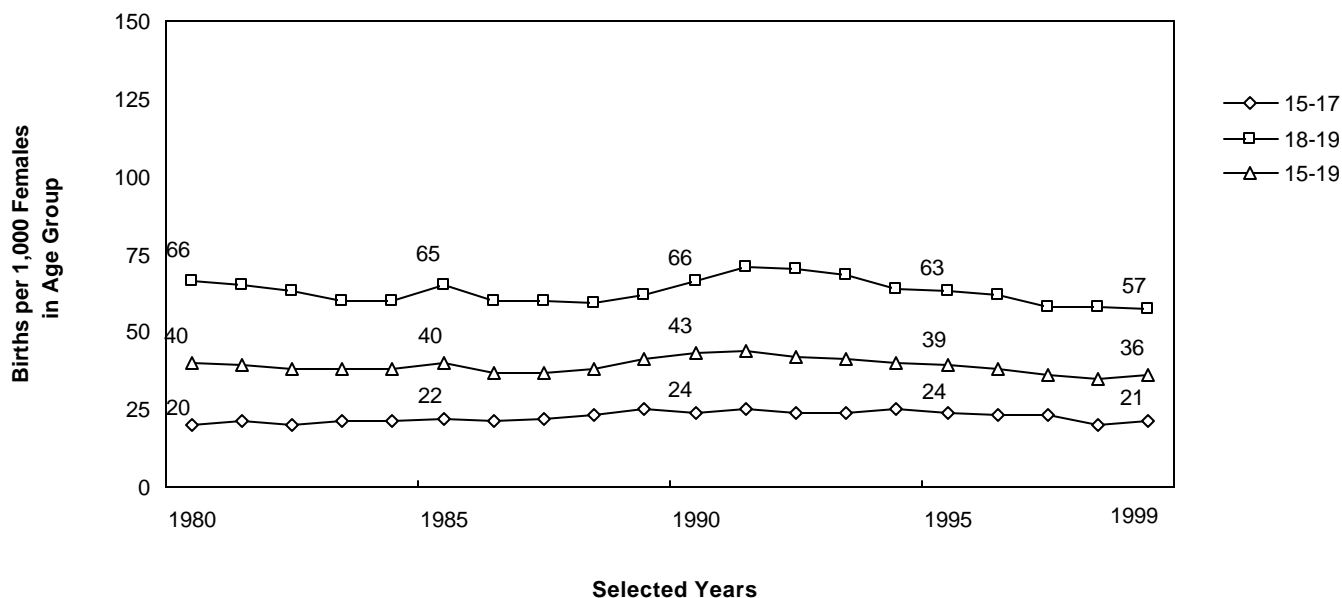


Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: The fertility rate for Wisconsin females ages 15-19 is based on that age-specific population but includes births to mothers less than 15 years old. The fertility rate for females aged 40-44 is based on that age-specific population but includes births to mothers aged 45 and older.

- In 1999, the fertility rate for Wisconsin teens aged 15-19 was 36.0 births per 1,000 females in this age group. This was slightly higher than the rate in 1998 (35.1), the lowest teen fertility rate in Wisconsin since 1980.
- The Wisconsin teen fertility rate has generally been around two-thirds the comparable national rate. In 1999, the U.S. teen fertility rate was 49.6.

Figure 3. Teen Birth Rates, Selected Years, Wisconsin, 1980-1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Fertility rates for ages 15-17 and 15-19 are based on these age-specific populations, but include births to mothers younger than 15 years old.

Characteristics of the Mother

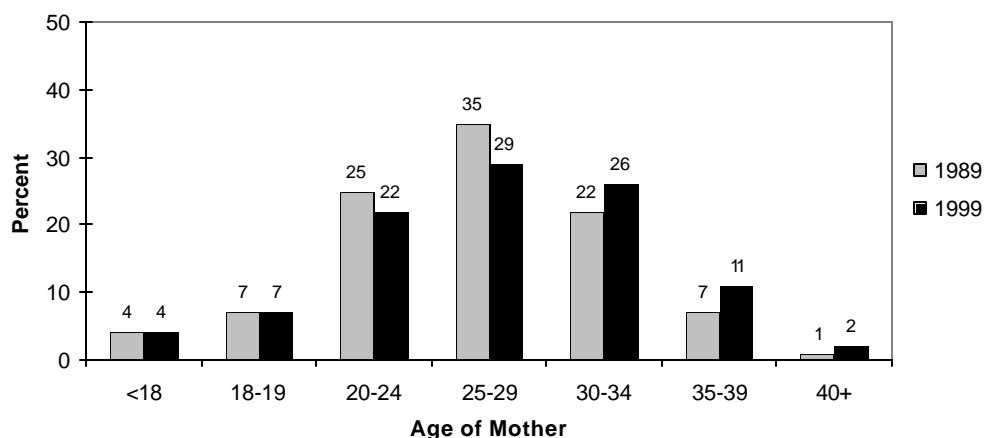
Age of Mother

Births in 1999 included:

116	births to teens less than 15 years old
2,432	births to teens 15-17 years old
4,760	births to teens 18-19 years old
14,986	births to women aged 20-24
19,716	births to women aged 25-29
17,407	births to women aged 30-34
7,427	births to women aged 35-39
1,257	births to women aged 40-44
71	births to women aged 45 or older
9	births with unreported maternal age.

- From 1989 to 1999, the percent of births to women in their twenties decreased, while the percent of births to women in their thirties increased (see Figure 4). The proportion of births to teens remained stable.

Figure 4. Percent of Births by Age of Mother, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: For detailed information on 1999 births by age of mother, see Supplementary Tables A1 and A2, pages 84 and 85.

Births to Teens

- The majority of births to teens (under 20 years of age) were to older teens, aged 18-19. This was also true in 1989.

Teen Births by Age, Wisconsin, 1989 and 1999

Maternal Age (Teens)	1989		1999	
	Number	Percent	Number	Percent
<15	141	2%	116	2%
15-17	2,416	33	2,432	33
18-19	4,707	65	4,760	65
Total <20	7,264	100%	7,308	100%

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Percents may not add to 100 due to rounding.

- Non-Hispanic whites make up the largest number of teen births in the state (4,223 in 1999).
- Teen births represented 10.7 percent of all births, but a higher proportion of births to blacks, American Indians, Hispanics, and Laotian/Hmong.

Teen Births by Race/Ethnicity, Wisconsin, 1999

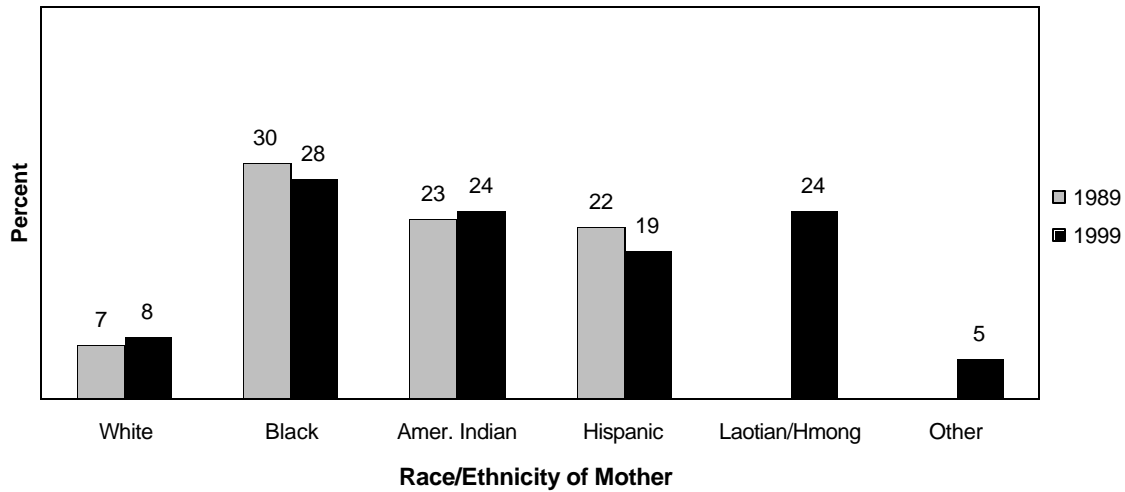
Race/Ethnicity	Number of Births		Percent of Births		
	Total	Teens (<20)	Teens (<20)	Ages 20+	Total
Total	68,181	7,308	10.7%	89.3%	100.0%
White	54,813	4,223	7.7	92.3	100.0
Black	6,444	1,797	27.9	72.1	100.0
American Indian	924	218	23.6	76.4	100.0
Hispanic	4,036	778	19.3	80.6	100.0
Laotian/Hmong	1,025	242	23.6	76.4	100.0
Other	929	49	5.3	94.7	100.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Included in the total are 10 births for which race/ethnicity of mother was not reported.

- Within each race/ethnicity category, the percent of births to teens has been fairly stable for the past decade.

Figure 5. Births to Teens as a Percent of Total Births, by Race/Ethnicity, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1989 data available for the Laotian/Hmong or Other groups.

Race/Ethnicity of Mother

- In 1999, 54,813 births (80.4%) were to non-Hispanic white women. This percentage continues a gradual decline that began over 28 years ago (it was 93% in 1971).
- 6,444 births (9.5%) were to non-Hispanic black women. The percent of births to black women has been fairly stable since 1989.
- 924 births (1.4%) were to American Indian women. This proportion has been stable for the past decade.
- 4,036 births (5.9%) were to Hispanic women. Since 1989, this group has represented an increasing proportion of births.
- 1,025 births (1.5%) were to Laotian/Hmong women.
- An additional 929 births (1.4%) were to women in other racial/ethnic groups.

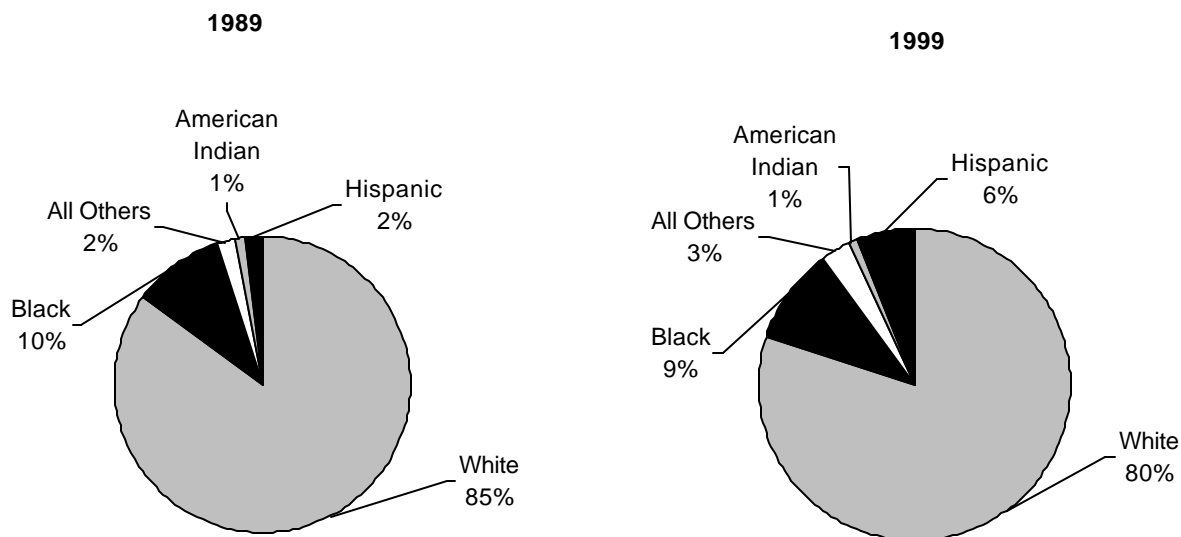
Number and Percent of Births by Race/Ethnicity, Wisconsin, 1989 and 1999

	1989		1999	
	Number	Percent	Number	Percent
Total	71,890	100.0%	68,181	100.0%
White	60,964	84.8	54,813	80.4
Black	6,863	9.5	6,444	9.5
American Indian	801	1.1	924	1.4
Hispanic	1,635	2.3	4,036	5.9
Laotian/Hmong			1,025	1.5
Other			929	1.4
Unknown	29		10	

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: There are no comparable data for 1989 for the Laotian/Hmong and "other" groups.

Figure 6. Percent of Births by Race/Ethnicity of Mother, Wisconsin, 1989 and 1999



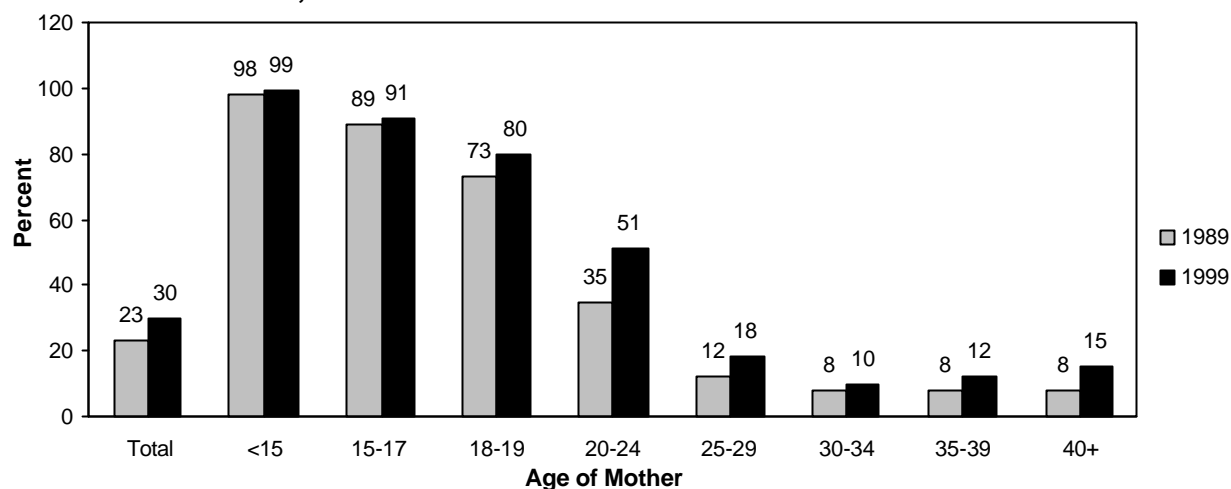
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. For detailed information on 1999 births by race of mother, see Supplementary Tables B1 and B2, pages 86, 87, 88 and 89. Percents may not add to 100 due to rounding.

Marital Status of Mother

- In 1999, 30 percent of births were to unmarried women, compared with 23 percent in 1989.
- In general, the percent of mothers who are unmarried decreases with age. Eighty percent of those 18 to 19 years old giving birth in 1999 were unmarried, compared with only 10 percent of those aged 30-34.
- Between 1989 and 1999, the unmarried percentage increased in every maternal age group. The largest increase occurred among mothers aged 20-24 (from 35 to 51 percent—16 percentage points).

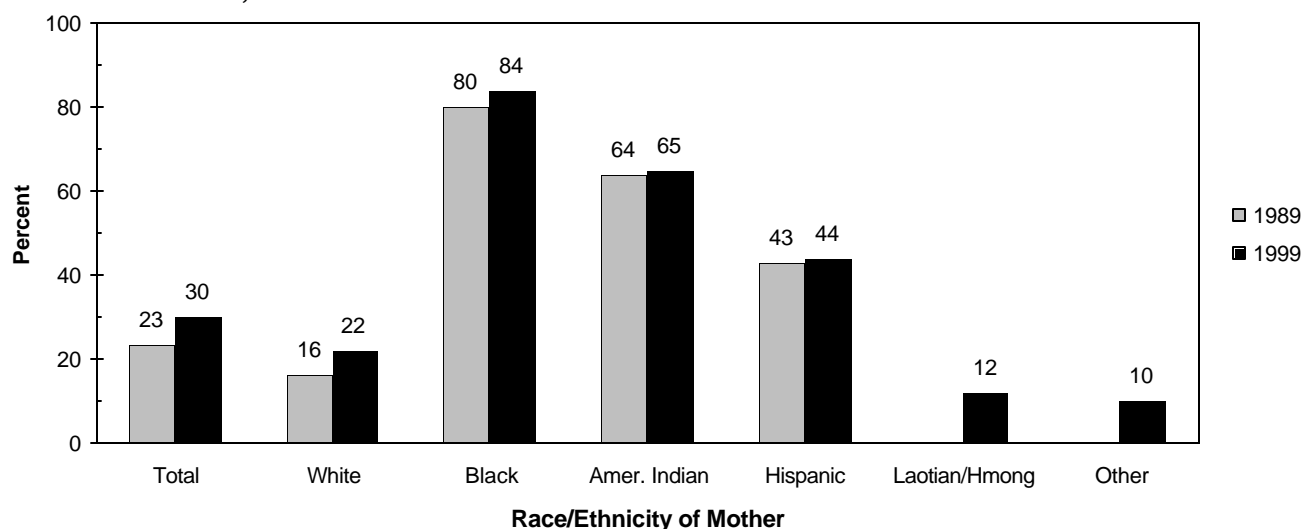
Figure 7. Percent of Births to Unmarried Mothers, by Age, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

- From 1989 to 1999, the percent of nonmarital births increased in each race/ethnicity group.
- The Wisconsin percentage of births to unmarried mothers in 1999 was lower than the national percent (30% versus 33%). However, the percentage of births to unmarried mothers was higher in Wisconsin than nationally among blacks (84% vs. 69%) and Hispanics (44% vs. 42%).

Figure 8. Percent of Births to Unmarried Mothers, by Race/Ethnicity, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1989 data for the Laotian/Hmong or Other groups.

Education of Mother

- In 1999, 16 percent of women who gave birth had not finished high school (compared with 17 percent in 1989). This proportion varied by age so that the percentages with less than a high school education in 1999 were:

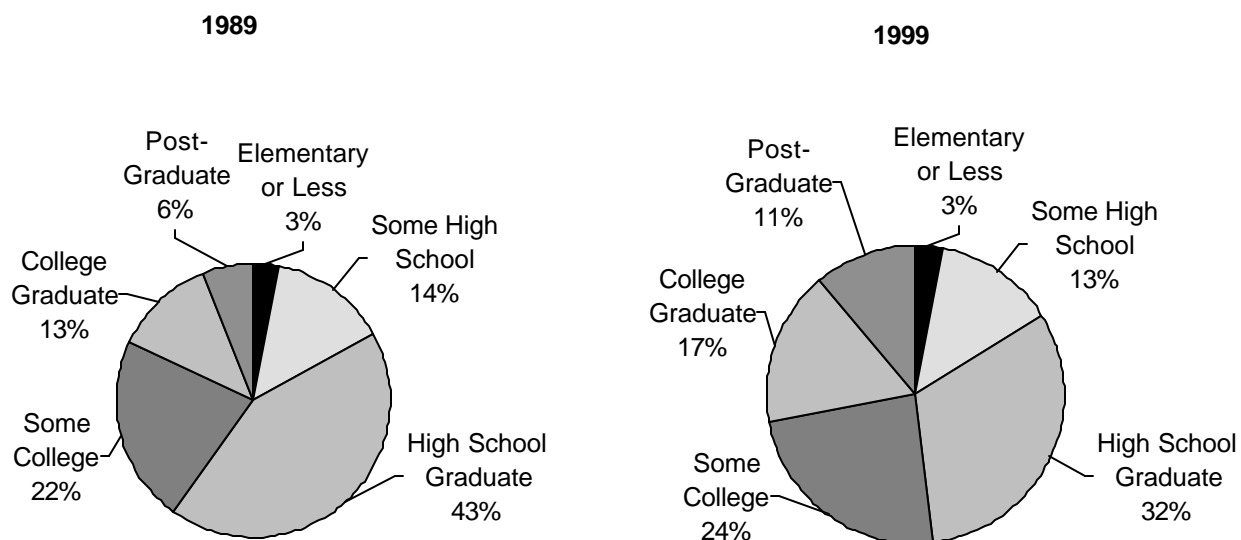
93%	among mothers <18
43%	among mothers 18-19
22%	among mothers 20-24
9%	among mothers 25-29
5%	among mothers 30-34
6%	among mothers 35-39
10%	among mothers 40 or older

- On average, mothers in minority race/ethnicity groups were less likely to have completed high school. In 1999, the proportions of births to women with less than a high school education were:

10%	among whites
41%	among blacks
34%	among American Indians
51%	among Hispanics
49%	among Laotian/Hmong
9%	among other race/ethnicity groups

- Fifty-two percent of women who gave birth in 1999 had attended college for one year or more. The comparable percentage in 1989 was 40 percent.

Figure 9. Percent of Births by Education of Mother, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

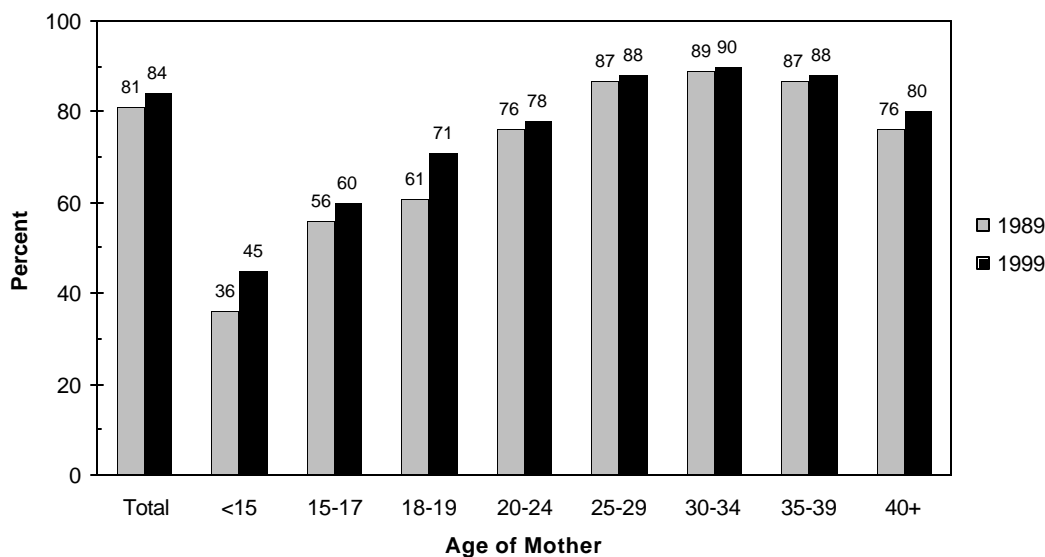
Notes: “Some High School” or “Some College” means the mother completed at least one year of schooling at that level. For detailed information on 1999 births by education of mother, see Supplementary Tables A-C, pages 84 to 90. Percents may not add to 100 due to rounding.

Characteristics of the Pregnancy and Delivery

Prenatal Care

- The overall proportion of women who received first-trimester prenatal care was 84 percent in 1999, compared with 81 percent in 1989.
- In 2,222 births in 1999, the mother did not begin prenatal care until the third trimester of pregnancy (1,686 births) or received no care at all (536 births). These births with “late or no prenatal care” constituted 3.3 percent of all births (down from 3.8 percent in 1989).
- Teenage mothers and mothers age 40 and older were more likely to receive first-trimester care in 1999 than in 1989.
- The percent of Wisconsin women who received first-trimester prenatal care in 1999 (84%) was similar to the 1999 preliminary national figure (83%).

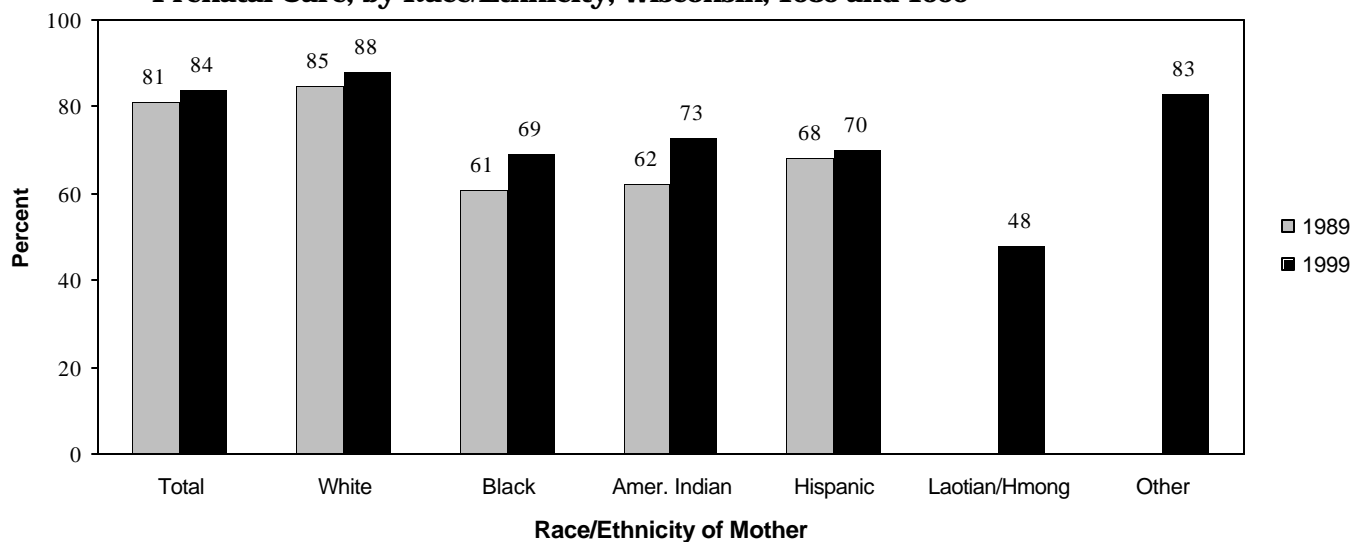
Figure 10. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Age, Wisconsin, 1989 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

- From 1989 to 1999, the proportion receiving first-trimester care increased within each race/ethnicity group.

Figure 11. Percent of Births to Mothers Who Received First-Trimester Prenatal Care, by Race/Ethnicity, Wisconsin, 1989 and 1999



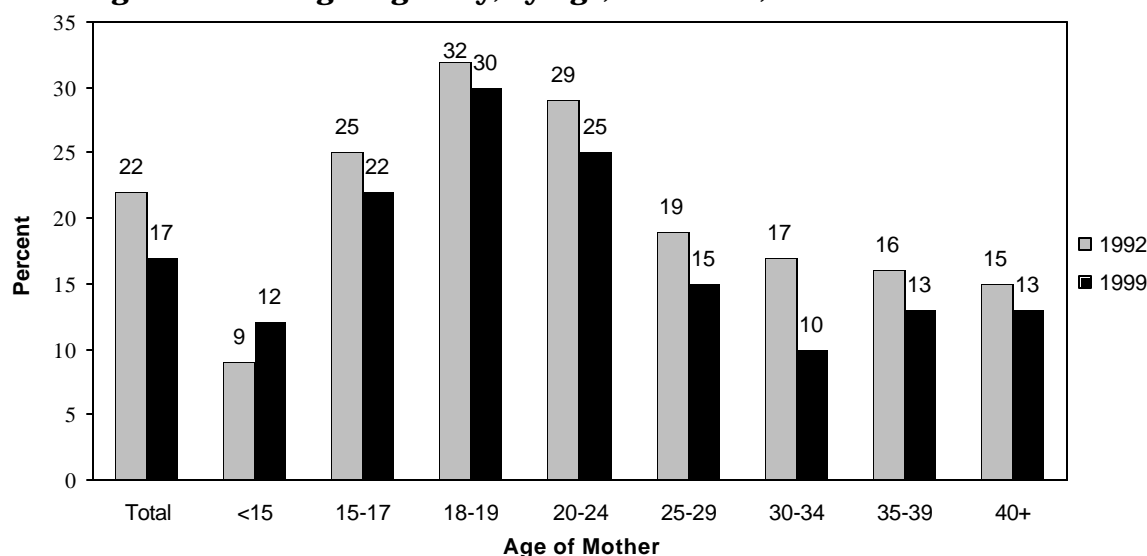
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1989 data available for the Laotian/Hmong or Other groups.

Cigarette Smoking

- Smoking during pregnancy poses risks for fetal development and infant health. Maternal smoking is associated with low birthweight in two ways: it slows fetal growth during gestation and increases the risk of a premature birth.
- The proportion of women who reported that they smoked during pregnancy decreased from 22 percent in 1992 to 17 percent in 1999. In 1998, 18 percent of women reported they smoked during pregnancy.
- From 1992 to 1999, smoking during pregnancy declined in most maternal age groups. The only exception was found among the small group of mothers under 15 years of age.

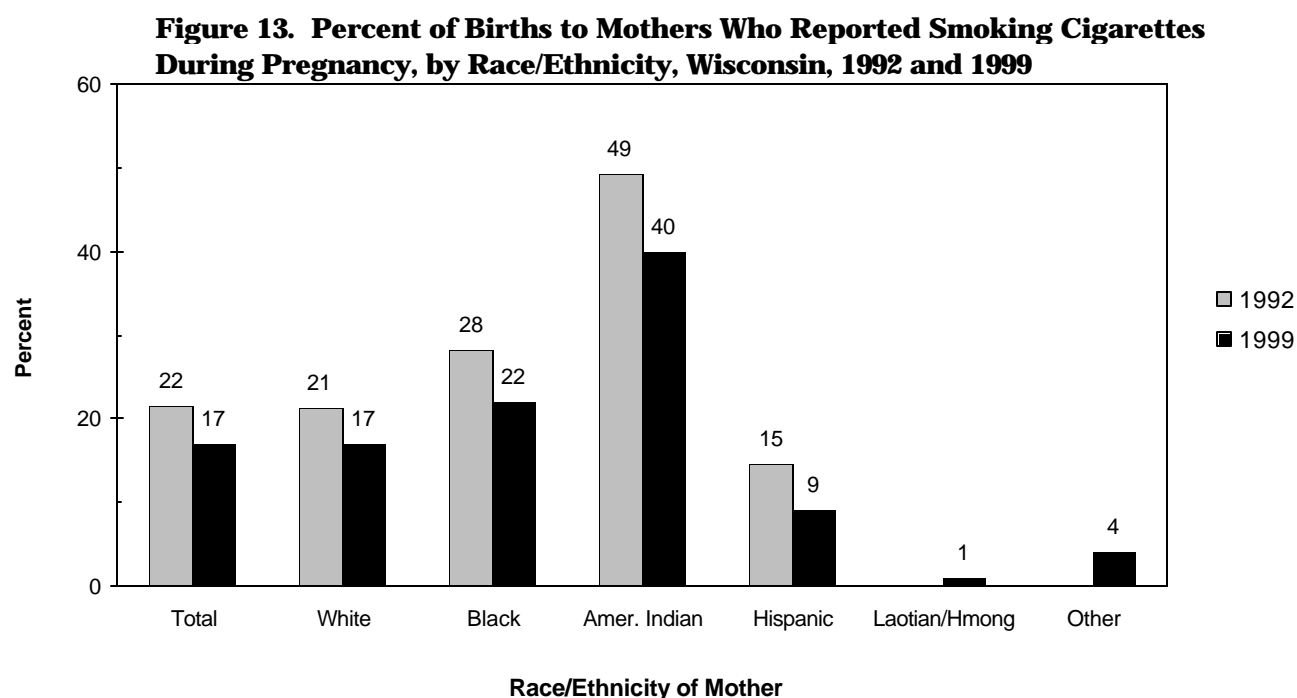
Figure 12. Percent of Births to Mothers Who Reported Smoking Cigarettes During Pregnancy, by Age, Wisconsin, 1992 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: A question about self-reported smoking during pregnancy was introduced on the 1989 birth certificate. Results of this question have been analyzed since 1992. For detailed information on 1999 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 84 to 91.

- From 1992 to 1999, the percentage of mothers who reported smoking during pregnancy declined in each race/ethnicity group.
- No data are presented on mother's self-reported use of alcohol during pregnancy, because this item is probably under-reported on the birth reporting form. This conclusion is based on the inconsistency between birth certificate data (2% of mothers reported drinking during pregnancy in 1999) and the 1999 Behavioral Risk Factor Survey (70% of Wisconsin women aged 18-44 reported drinking within the past month).



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. There are no comparable 1992 data available for the Laotian/Hmong or Other groups. For detailed information on 1999 births by smoking behavior during pregnancy, see Supplementary Tables A, B and C, pages 84 to 91.

Medical Risk Factors

- The most frequently reported maternal medical risk factors reported for 1999 births were sexually transmitted diseases (reported in 6.5 percent of births), hypertension (5.5 percent), diabetes (3.7 percent), anemia (3.7 percent), and lung disease (3.6 percent).

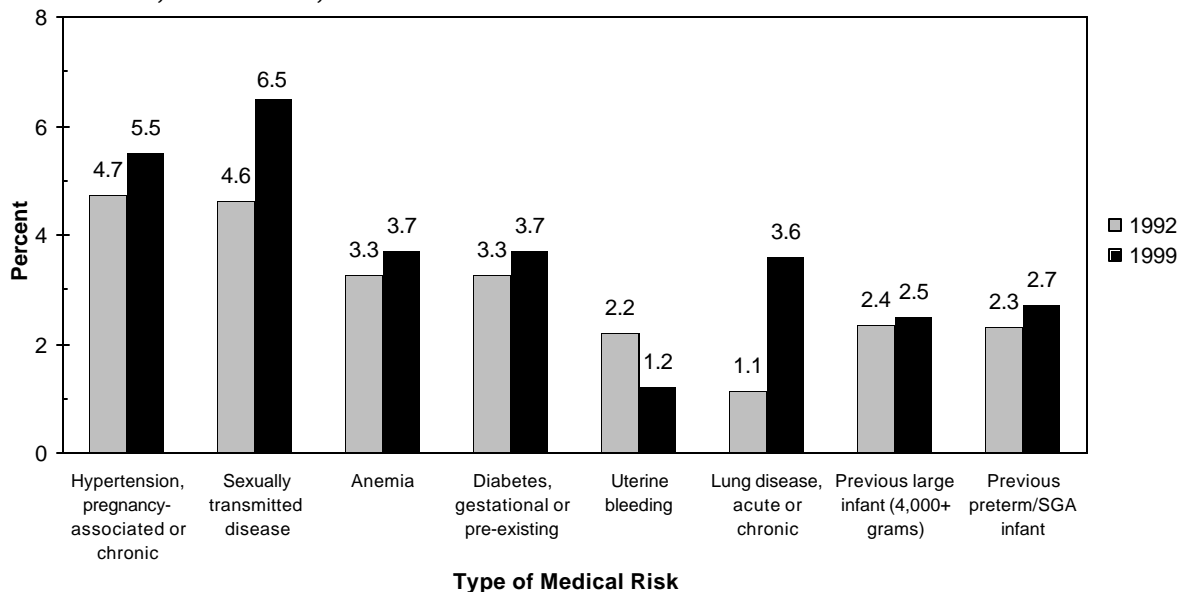
Births with Reported Medical Risk Factors, Wisconsin, 1999

Sexually Transmitted Diseases	4,403	6.5%
Hypertension	3,731	5.5
Pregnancy-Associated	3,203	4.7
Chronic	528	0.8
Diabetes	2,522	3.7
Gestational	2,191	3.2
Pre-Existing	331	0.5
Anemia	2,546	3.7
Lung Disease, Acute or Chronic	2,478	3.6
Previous Preterm/Small for Gestational Age Infant	1,867	2.7
Previous Large Infant (4,000+ grams)	1,722	2.5
Uterine Bleeding	816	1.2
Cardiac Disease	824	1.2
Hydramnios/Oligohydramnios	710	1.0
Renal Disease	339	0.5
Rh Sensitization	366	0.5
Eclampsia	261	0.4
Incompetent Cervix	249	0.4
Any Reported	26,305	38.6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for definitions of maternal medical risk factors. Since more than one medical risk factor may be indicated for each birth, and since conditions in the "other" checkbox are not reported in this table, columns will not sum to the "any reported" line. The maternal medical risk factor checklist was introduced on the 1989 birth certificate. By 1992, this information was considered sufficiently well recorded and edited to be included in the annual reports.

Figure 14. Percent of Births with Selected Maternal Medical Risk Factors, Wisconsin, 1992 and 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Methods of Delivery

In 1999, the following methods of delivery were reported:

Vaginal (no previous C-section)	53,258	78.1%
Primary C-Section	7,533	11.0
Repeat C-Section	4,059	6.0
Vaginal After Previous C-Section (VBAC)	1,879	2.8
Forceps	1,449	2.1
Other	3	0.0
Total	68,181	100.0%

Obstetric Procedures

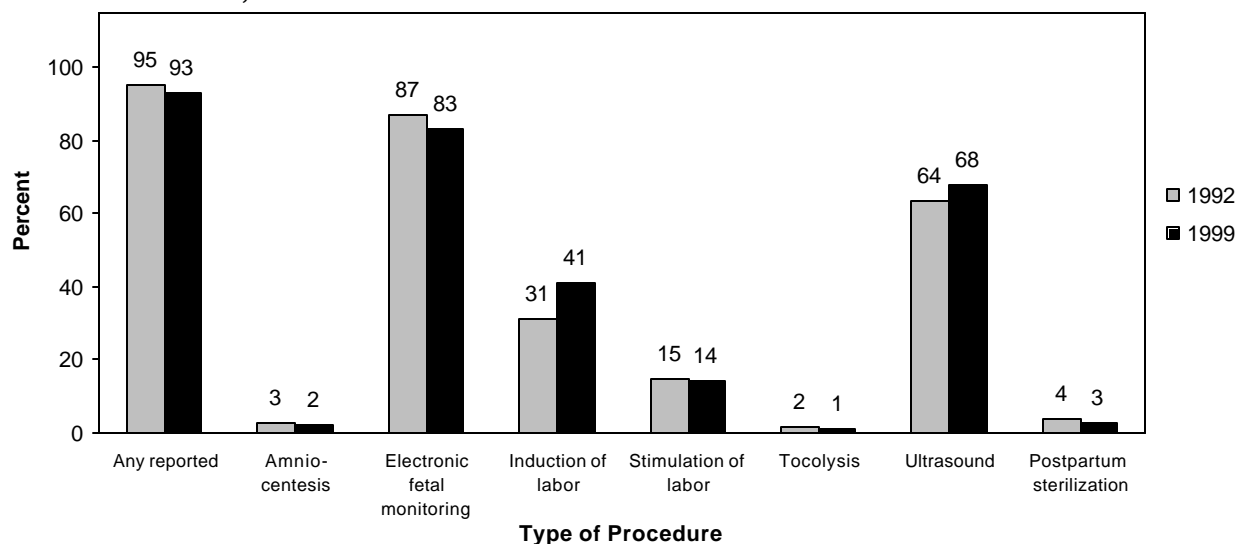
In 1999, births with reported obstetric procedures included:

Electronic fetal monitoring	56,546	82.9%
Ultrasound	46,203	67.8
Induction of labor	28,255	41.4
Stimulation of labor	9,354	13.7
Amniocentesis	1,540	2.3
Postpartum sterilization	1,846	2.7
Tocolysis	842	1.2
Other Procedures	136	0.2
Births With Reported Procedure(s)	63,722	93.5

Notes: See Technical Notes for definitions of obstetric procedures. Each birth could have more than one type of procedure reported.

- The percent of Wisconsin births in which labor was induced increased to 41 percent in 1999, from 31 percent in 1989.

Figure 15. Percent of Births with Obstetric Procedures Reported, Wisconsin, 1992 and 1999



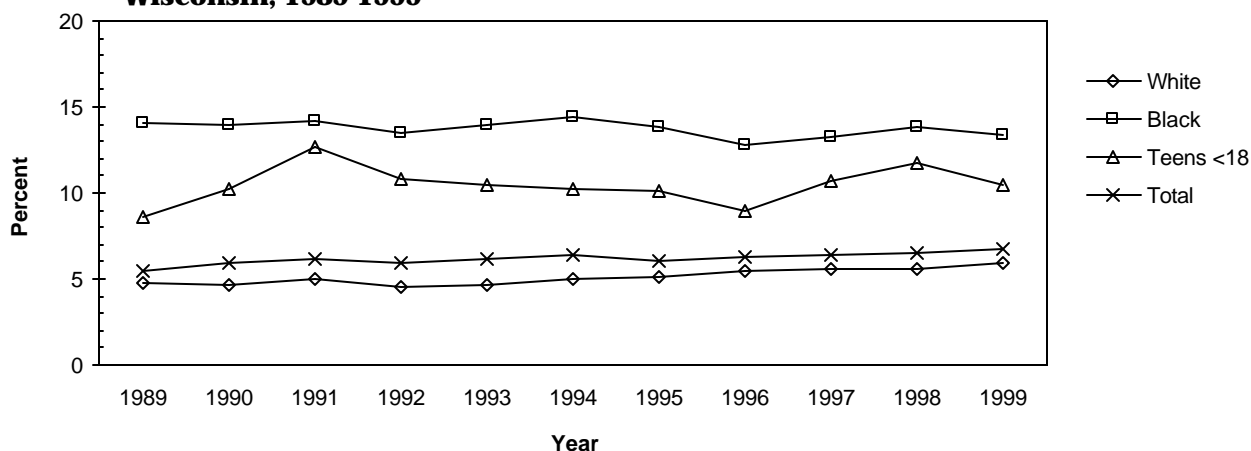
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Characteristics of the Newborn

Low Birthweight

- In 1999, 4,552 Wisconsin infants were low birthweight; that is, they weighed less than 2,500 grams (about 5.5 pounds) at birth. This total represented 6.7 percent of all births (6.5 percent in 1998). In comparison, 7.6 percent of all infants born in the United States in 1999 weighed less than 2,500 grams.
- Among these low birthweight infants, 870 were born at *very* low birthweight (less than 1,500 grams or about 3.3 pounds) and were thus at the highest risk for health problems. The overall percentage of very low birthweight was 1.3 percent, but 1.1 percent among whites, 2.8 percent among blacks, 1.0 percent among American Indians, and 1.6 percent among Laotian/Hmong.
- Compared with the overall incidence of low birthweight in 1999 (6.7 percent), higher percentages of low-birthweight infants were born to:
 - Mothers who received no prenatal care (23.7 percent),
 - Non-Hispanic black women (13.4 percent),
 - Laotian/Hmong women (8.4 percent),
 - Girls less than 15 years old (10.3 percent),
 - Women who smoked during pregnancy (11.0 percent),
 - Women with less than a high school education (9.6 percent),
 - Women who were unmarried (9.6 percent).
- From 1989 to 1999, the low-birthweight percentage among infants born to mothers less than 18 years of age fluctuated from a low of 8.6 percent in 1989 to a high of 12.7 percent in 1991. In 1999, this percentage was 10.5 (compared with 6.5 among mothers age 18 and older).
- Forty-two percent of premature infants were of low birthweight (see next page).
- Twins or other multiple births made up 24 percent of all low-birthweight births in 1999.

Figure 16. Percent of Births at Low Birthweight (< 2,500 grams), Wisconsin, 1989-1999

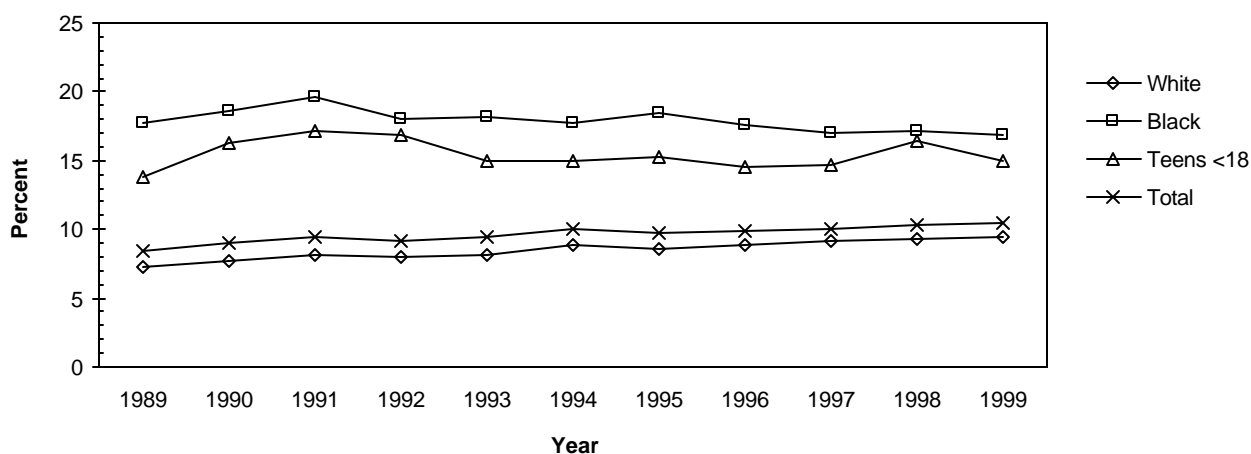


Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Prematurity

- In 1999, 7,108 Wisconsin infants were born prematurely (with a gestation of less than 37 weeks). This total represented 10.4 percent of all births (10.3 percent in 1998). (See Technical Notes, page 103, for full definition of prematurity.)
- Compared with the overall proportion of premature infants in 1999 (10.4 percent), higher percentages of premature infants were born to:
 - Teenagers less than 18 years old (14.9 percent),
 - Non-Hispanic black women (16.9 percent),
 - Laotian/Hmong women (14.7 percent),
 - Women who smoked during pregnancy (12.4 percent),
 - Women with less than a high school education (13.2 percent),
 - Women who were unmarried (13.1 percent).
- Sixty-six percent of low birthweight infants (birthweight under 2,500 grams) were premature.
- Twins or other multiple births made up 15.9 percent of all premature births in 1999. From 1989 to 1999, multiple births increased from 2.4 percent to 3.0 percent of all births.
- Prematurity increased from 8.5 percent of all births in 1989 to 10.4 percent of all births in 1999. This increase has also occurred nationally.
- Prematurity among infants born to mothers less than 18 years of age fluctuated from a low of 13.8 percent in 1989 to a high of 16.9 percent in 1992. In 1999, this percentage was 14.9 (compared with 10.2 among mothers age 18 and older).

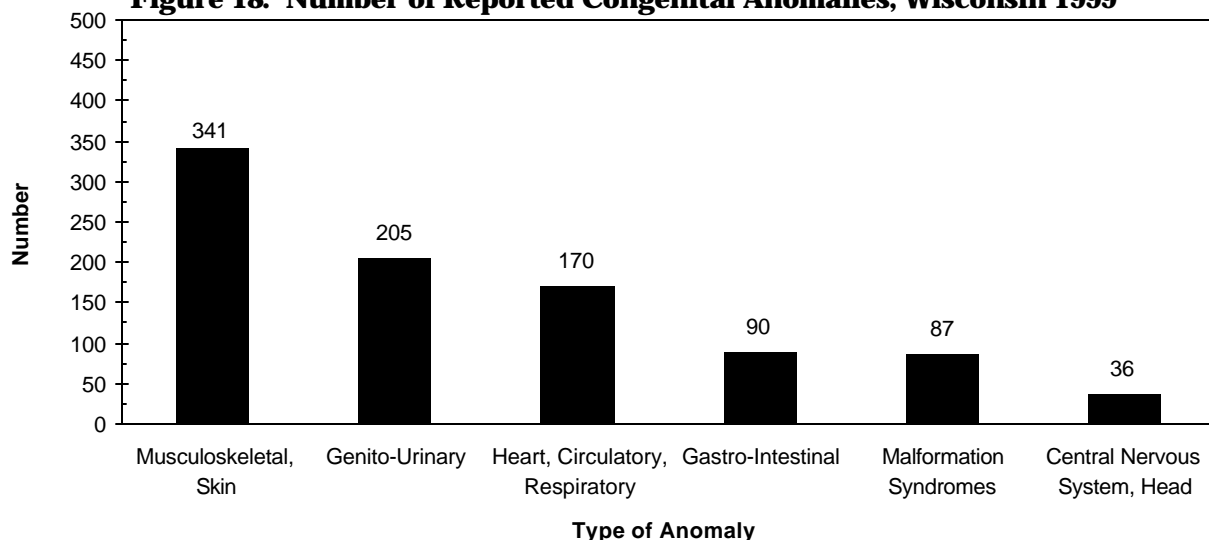
Figure 17. Percent of Premature Births, Wisconsin, 1989-1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: 'Premature' means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted where date of last normal menses is unknown. Data for 1989-1992 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data.

Congenital Anomalies

Figure 18. Number of Reported Congenital Anomalies, Wisconsin 1999

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Reported Congenital Anomalies, Wisconsin 1999

Total Births With Reported Anomalies	908	Genito-Urinary	205
		Malformed Genitalia	136
Central Nervous System, Head	36	Renal Agenesis	10
Anencephalus	3	Other Urogenital	62
Spina Bifida/Meningocele	18		
Hydrocephalus	2	Musculoskeletal/Skin	341
Microcephalus	2	Cleft Lip, Palate	71
Other Central Nervous System	14	Polydactyly, Syndactyly, Adactyly	95
		Club Foot	54
Heart, Circulatory, Respiratory	170	Diaphragmatic Hernia	12
Heart Malformations	133	Other Musculoskeletal/ Integumental	131
Other Circulatory/Respiratory	44		
		Malformation Syndromes	87
Gastro-Intestinal	90	Down Syndrome	60
Rectal Atresia, Stenosis	22	Other Chromosomal	27
Tracheo-Esophageal Fistula	14		
Omphalocele, Gastroschisis	40	All Other	49
Other Gastrointestinal	19		

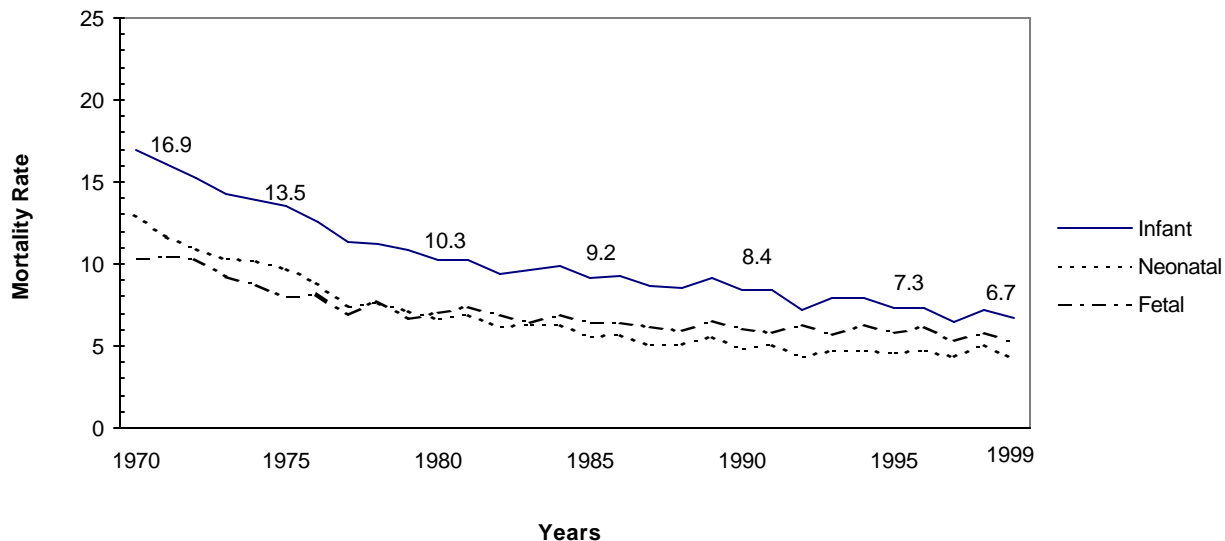
Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: These numbers reflect only those congenital anomalies that can be discerned at birth and are reported on the birth certificate. Many are not detected before the newborn is discharged from the hospital. Since more than one anomaly may be reported for each infant, the column does not add to total. This table is not comparable with congenital anomalies data published prior to 1989; see Technical Notes for explanation.

Mortality

- In Wisconsin, 456 infants under the age of one year died in 1999. The 1999 infant mortality rate was 6.7 infant deaths per 1,000 live births, lower than the 1998 rate (7.2) and much lower than the 1970 rate (16.9). The 1998 U.S. infant mortality rate (the latest available data) was also 7.2 infant deaths per 1,000 live births.
- There were 294 neonatal deaths (deaths of infants less than 28 days of age) in 1999, accounting for 65 percent of total infant deaths that year. The neonatal mortality rate in 1999 was 4.3 neonatal deaths per 1,000 live births, compared with 5.1 in 1998 and 13.0 per 1,000 in 1970. In the U.S. in 1998 (the latest available data), the neonatal mortality rate was 4.8 per 1,000 live births.
- The fetal mortality rate (fetal deaths per 1,000 live births and fetal deaths) was 5.2 in 1999. In comparison, the fetal mortality rate for 1970 was 10.4 per 1,000. (For the definition of “fetal death,” see Technical Notes, page 102.)
- The black infant mortality rate for 1999 (14.9 deaths per 1,000 births to black mothers) was lower than the comparable rate in 1998 (17.9), and lower than the 1989 rate (18.9). The 1999 white infant mortality rate (5.7 deaths per 1,000 births to white mothers) was similar to the 1998 rate (5.6), but lower than the 1989 rate (7.9).

Figure 19. Infant, Neonatal, and Fetal Mortality Rates, 1970-1999



Source: Resident birth certificates, matched birth-death file and fetal death file, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

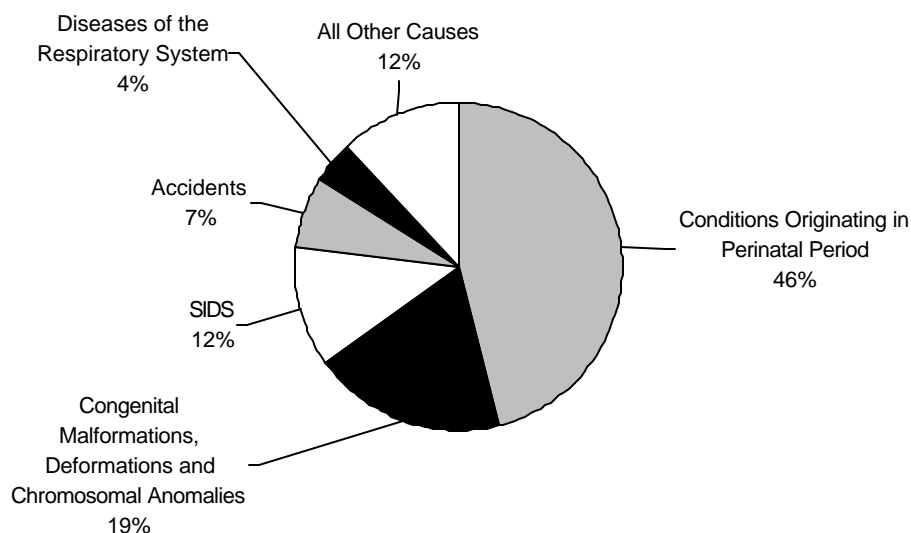
Notes: An infant death is one that occurs before one year of age. The infant death rate is the number of resident infant deaths divided by total resident live births times 1,000. For detailed information on 1999 infant, neonatal and fetal deaths, see Supplementary Table D, pages 94 and 95.

- Infants born to teenagers are at a higher risk of death than infants born to older mothers. In 1999, the infant mortality rate was 12.3 per 1,000 births among infants born to mothers aged <20, compared with 6.0 per 1,000 among infants born to women aged 20 and older.
- There were 6 maternal deaths in 1999; these are deaths attributed to pregnancy-related health conditions or events of delivery.

Causes of Infant Death

- “Conditions originating in the perinatal period” accounted for 46 percent of infant deaths in 1999. This category includes a variety of conditions that occur just before, during and after birth, such as pregnancy complications; complications of the placenta, cord and membranes; and unspecified prematurity and low birthweight.
- Congenital malformations, deformations and chromosomal anomalies accounted for about 19 percent of infant deaths in 1999.
- Twelve percent of infant deaths in 1999 were attributed to Sudden Infant Death Syndrome (SIDS).

Figure 20. Leading Causes of Infant Death, 1999



Source: Resident birth certificates, matched birth-death file and fetal death file, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Beginning with 1999 data, causes of death have been coded using the International Classification of Diseases, Tenth Revision (ICD 10). This may affect comparability with previous years for some categories of death. See Technical Notes, page 103.

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 1999

County	Estimated Population	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Total	5,295,180	68,181	35,016	33,164	12.9	58.8
Adams	18,330	179	91	88	9.8	63.5
Ashland	16,860	195	102	93	11.6	54.9
Barron	43,620	506	265	241	11.6	57.6
Bayfield	14,730	150	69	81	10.2	54.1
Brown	222,130	3,098	1,612	1,486	13.9	61.4
Buffalo	13,940	159	85	74	11.4	57.1
Burnett	14,230	146	75	71	10.3	58.0
Calumet	39,580	504	236	268	12.7	57.3
Chippewa	55,470	684	372	312	12.3	59.4
Clark	32,890	493	256	237	15.0	77.7
Columbia	50,130	623	312	311	12.4	63.1
Crawford	16,720	202	112	90	12.1	62.3
Dane	415,810	5,189	2,657	2,532	12.5	49.5
Dodge	84,730	986	518	468	11.6	58.8
Door	26,620	265	120	145	10.0	51.1
Douglas	42,370	468	225	243	11.0	52.6
Dunn	38,710	441	226	215	11.4	44.4
Eau Claire	92,360	1,084	550	534	11.7	46.9
Florence	5,080	49	20	29	10.0	49.1
Fond du Lac	96,960	1,202	604	598	12.4	57.8
Forest	9,330	114	62	52	12.2	65.0
Grant	49,910	476	271	205	9.5	47.9
Green	32,240	392	195	197	12.2	59.3
Green Lake	19,620	214	114	100	10.9	55.6
Iowa	22,270	297	155	142	13.3	62.1
Iron	6,350	20	6	14	3.2	18.5
Jackson	18,500	198	104	94	10.7	56.0
Jefferson	74,360	939	496	443	12.6	56.8
Juneau	23,590	282	156	126	12.0	61.8
Kenosha	142,810	2,162	1,133	1,029	15.1	69.3
Kewaunee	20,100	240	106	134	11.9	58.7
La Crosse	106,640	1,238	624	614	11.6	46.9
Lafayette	16,270	169	93	76	10.4	50.5
Langlade	20,640	236	137	99	11.4	59.1
Lincoln	29,030	342	164	178	11.8	58.2
Manitowoc	84,890	918	477	441	10.8	53.4
Marathon	126,850	1,484	750	734	11.7	54.8

(Continued)

Table 1. Population, Births by Sex, Crude and General Fertility Rates by County of Residence, Wisconsin 1999

County	Estimated Population	Total Births	Male	Female	Crude Birth Rate	General Fertility Rate
Marinette	43,130	398	196	202	9.2	47.0
Marquette	13,900	176	84	92	12.7	69.0
Menominee	4,840	97	51	46	20.1	95.0
Milwaukee	956,710	14,832	7,598	7,233	15.5	67.5
Monroe	39,330	510	250	260	13.0	63.6
Oconto	33,850	379	206	173	11.2	56.7
Oneida	35,050	313	176	137	8.9	50.2
Outagamie	159,000	2,191	1,192	999	13.8	61.7
Ozaukee	81,100	871	402	469	10.7	52.4
Pepin	7,260	98	48	50	13.5	73.2
Pierce	35,240	379	196	183	10.8	42.8
Polk	37,700	471	268	203	12.5	63.9
Portage	67,620	789	409	380	11.7	47.7
Price	16,420	141	76	65	8.6	46.4
Racine	189,550	2,534	1,296	1,238	13.4	61.5
Richland	17,890	193	106	87	10.8	55.8
Rock	151,290	2,013	1,040	973	13.3	62.6
Rusk	15,320	176	101	75	11.5	59.9
St. Croix	59,520	886	445	441	14.9	67.1
Sauk	53,140	671	338	333	12.6	60.7
Sawyer	15,710	161	87	74	10.2	58.0
Shawano	39,200	480	239	241	12.2	63.7
Sheboygan	112,450	1,380	709	671	12.3	59.2
Taylor	19,610	229	117	112	11.7	55.6
Trempealeau	26,600	296	162	134	11.1	57.9
Vernon	26,840	374	204	170	13.9	71.7
Vilas	19,680	170	92	78	8.6	56.3
Walworth	86,020	1,107	575	532	12.9	58.2
Washburn	14,930	155	78	77	10.4	57.3
Washington	114,610	1,566	786	780	13.7	64.1
Waukesha	352,650	4,284	2,159	2,125	12.1	57.2
Waupaca	50,320	599	294	305	11.9	58.5
Waushara	21,040	217	109	108	10.3	57.5
Winnebago	155,050	1,798	904	894	11.6	52.2
Wood	77,940	903	473	430	11.6	54.8

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the total is 1 birth for which sex was not reported. The crude birth rate is the number of resident live births divided by the resident population times 1,000. The general fertility rate is the number of resident live births divided by the number of females ages 15-44 times 1,000.

Population estimates are from the Bureau of Health Information; these estimates do not add to total due to rounding.

Table 2. Population, Births and Crude Birth Rates by Selected Places of Residence, Wisconsin 1999

City	Estimated Population	Births	Crude Birth Rate
Appleton	69,911	1,180	16.9
Beloit	36,226	612	16.9
Brookfield	37,255	299	8.0
Caledonia (T)	23,014	186	8.1
Eau Claire	61,150	764	12.5
Fond du Lac	41,363	613	14.8
Franklin	27,780	302	10.9
Green Bay	103,267	1,712	16.6
Greenfield	36,300	299	8.2
Janesville	59,626	865	14.5
Kenosha	87,664	1,773	20.2
La Crosse	52,523	584	11.1
Madison	205,343	2,696	13.1
Manitowoc	33,469	408	12.2
Menomonee Falls (V)	30,132	389	12.9
Mequon/Thiensville	24,916	187	7.5
Milwaukee	608,150	11,263	18.5
Mount Pleasant (T)	22,603	76	3.4
Muskego	20,814	276	13.3
Neenah/Menasha	40,830	605	14.8
New Berlin	37,411	411	11.0
Oak Creek	26,766	401	15.0
Oshkosh	62,695	760	12.1
Racine	85,696	1,642	19.2
Sheboygan	51,138	735	14.4
South Milwaukee	21,252	248	11.7
Stevens Point	24,428	336	13.8
Superior	27,294	317	11.6
Watertown	21,151	312	14.8
Waukesha	63,027	1,073	17.0
Wausau	38,881	546	14.0
Wauwatosa	49,039	552	11.3
West Allis	63,769	653	10.2
West Bend	28,597	449	15.7

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: The crude birth rate is the number of resident live births divided by the resident population times 1,000.

This table includes cities, townships (T) and villages (V) with population of 20,000 or more according to 1999 population estimates from the Demographic Services Center, Wisconsin Department of Administration.

Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 1999

STATE TOTAL	68,181	Hallie (T)	58	Watertown (C) (Pt.)	101
Urban*	53,508	Lafayette (T)	49	Waupun (C) (Pt.)	68
Balance of State	14,673	Balance of County	289	Balance of County	463
ADAMS	179	CLARK	493	DOOR	265
		Neillsville (C)	32	Sevastopol (T)	18
ASHLAND	195	Balance of County	461	Sturgeon Bay (C)	121
Ashland (C)	99			Balance of County	126
Balance of County	96	COLUMBIA	623		
		Columbus (C)	54	DOUGLAS	468
BARRON	506	Lodi (C)	50	Superior (C)	317
Barron (C)	41	Lodi (T)	28	Balance of County	151
Rice Lake (C)	122	Portage (C)	126		
Balance of County	343	Balance of County	365	DUNN	441
				Menomonie (C)	153
BAYFIELD	150	CRAWFORD	202	Menomonie (T)	24
		Prairie du Chien (C)	88	Balance of County	264
BROWN	3,098	Balance of County	114		
Allouez (V)	135			EAU CLAIRE	1,084
Ashwaubenon (V)	173	DANE	5,189	Altoona (C)	92
Bellevue (T)	114	Burke (T)	26	Eau Claire (C) (Pt.)	738
De Pere (C)	281	Cottage Grove (V)	88	Pleasant Valley (T)	25
Green Bay (C)	1,712	Cottage Grove (T)	28	Seymour (T)	29
Hobart (T)	39	Cross Plains (V)	47	Washington (T)	47
Howard (V)	159	De Forest (V)	154	Balance of County	153
Ledgeview (T)	22	Dunn (T)	33		
Pulaski (V)	47	Fitchburg (C)	151	FLORENCE	49
Scott (T)	42	Madison (C)	2,696		
Suamico (T)	107	Madison (T)	17	FOND DU LAC	1,202
Balance of County	267	Marshall (V)	61	Empire (T)	14
		McFarland (V)	93	Fond du Lac (C)	613
BUFFALO	159	Middleton (C)	159	North Fond du Lac (V)	60
Mondovi (C)	26	Middleton (T)	30	Ripon (C)	70
Balance of County	133	Monona (C)	59	Taycheedah (T)	35
		Mount Horeb (V)	103	Waupun (C) (Pt.)	56
BURNETT	146	Oregon (T)	30	Balance of County	354
		Oregon (V)	128		
CALUMET	504	Pleasant Springs (T)	24	FOREST	114
Appleton (C) (Pt.)	166	Springfield (T)	18		
Brillion (C)	33	Stoughton (C)	203	GRANT	476
Chilton (C)	54	Sun Prairie (C)	332	Boscobel (C)	38
Harrison (T)	73	Verona (C)	73	Fennimore (C)	26
Kiel (C) (Pt.)	7	Waunakee (V)	138	Lancaster (C)	46
Menasha (C) (Pt.)	14	Westport (T)	12	Platteville (C)	74
New Holstein (C)	30	Windsor (T)	49	Balance of County	292
Balance of County	127	Balance of County	437		
				GREEN	392
CHIPPEWA	684	DODGE	986	Brodhead (C)	49
Bloomer (C)	47	Beaver Dam (C)	224	Monroe (C)	137
Chippewa Falls (C)	191	Beaver Dam (T)	20	Balance of County	206
Eagle Point (T)	24	Horicon (C)	53		
Eau Claire (C) (Pt.)	26	Mayville (C)	57	GREEN LAKE	214

* Sum of incorporated places having a population of 2,500 or more according to the latest population estimates available.

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 1999

Berlin (C) (Pt.)	73	La Crosse (C)	584	Franklin (C)	302
Balance of County	141	Onalaska (C)	235	Glendale (C)	88
IOWA	297	Onalaska (T)	34	Greendale (V)	97
Dodgeville (C)	69	Shelby (T)	23	Greenfield (C)	299
Mineral Point (C)	36	West Salem (V)	76	Hales Corners (V)	63
Balance of County	192	Balance of County	127	Milwaukee (C) (Pt.)	11,259
IRON	20	LAFAYETTE	169	Oak Creek (C)	401
JACKSON	198	LANGLADE	236	Shorewood (V)	141
Black River Falls (C)	60	Antigo (C)	138	South Milwaukee (C)	248
Balance of County	138	Balance of County	98	St. Francis (C)	92
JEFFERSON	939	LINCOLN	342	Wauwatosa (C)	552
Ft. Atkinson (C)	150	Merrill (C)	156	West Allis (C)	653
Ixonia (T)	28	Merrill (T)	20	West Milwaukee (V)	37
Jefferson (C)	100	Tomahawk (C)	55	Whitefish Bay (V)	194
Jefferson (T)	25	Balance of County	111	Balance of County	3
Koshkonong (T)	30	MANITOWOC	918	MONROE	510
Lake Mills (C)	80	Kiel (C) (Pt.)	36	Sparta (C)	119
Oakland (T)	24	Manitowoc (C)	408	Sparta (T)	15
Waterloo (C)	46	Manitowoc Rapids (T)	5	Tomah (C)	116
Watertown (C) (Pt.)	211	Two Rivers (C)	147	Balance of County	260
Whitewater (C) (Pt.)	16	Balance of County	322	OCONTO	379
Balance of County	229	MARATHON	1,484	Little Suamico (T)	41
JUNEAU	282	Kronenwetter (T)	40	Oconto (C)	65
Mauston (C)	53	Marshfield (C) (Pt.)	7	Oconto Falls (C)	44
Balance of County	229	Mosinee (C)	91	Balance of County	229
KENOSHA	2,162	Rib Mountain (T)	51	ONEIDA	313
Bristol (T)	23	Rothschild (V)	45	Minocqua (T)	35
Kenosha (C)	1,773	Wausau (C)	546	Newbold (T)	17
Paddock Lake (V)	9	Weston (V)	89	Pelican (T)	28
Pleasant Prairie (V)	112	Balance of County	615	Pine Lake (T)	24
Randall (T)	8	MARINETTE	398	Rhineland (C)	85
Salem (T)	65	Marinette (C)	129	Balance of County	124
Somers (T)	15	Peshtigo (C)	42	OUTAGAMIE	2,191
Twin Lakes (V)	82	Peshtigo (T)	42	Appleton (C) (Pt.)	989
Wheatland (T)	27	Balance of County	185	Buchanan (T)	75
Balance of County	48	MARQUETTE	176	Center (T)	24
KEWAUNEE	240	MENOMINEE	97	Freedom (T)	69
Algoma (C)	43	Menominee (T)	97	Grand Chute (T)	104
Kewaunee (C)	35	MILWAUKEE	14,832	Greenville (T)	87
Balance of County	162	Bayside (V)(Pt.)	34	Kaukauna (C)	182
LA CROSSE	1,238	Brown Deer (V)	110	Kimberly (V)	77
Campbell (T)	23	Cudahy (C)	209	Little Chute (V)	135
Holland (T)	28	Fox Point (V)	50	New London (C) (Pt.)	34
Holmen (V)	108			Oneida (T)	42
				Seymour (C)	40
				Balance of County	333

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 1999

OZAUKEE	871	RICHLAND	193	SHEBOYGAN	1,380
Bayside (V) (Pt.)	1	Richland Center (C)	63	Greenbush (T)	12
Cedarburg (C)	140	Balance of County	130	Holland (T)	21
Cedarburg (T)	36			Howards Grove (V)	28
Grafton (T)	47	ROCK	2,013	Lima (T)	24
Grafton (V)	125	Beloit (C)	612	Plymouth (C)	112
Mequon (C)	162	Beloit (T)	47	Plymouth (T)	24
Port Washington (C)	147	Edgerton (C)	87	Sheboygan (C)	735
Saukville (V)	63	Evansville (C)	66	Sheboygan (T)	56
Thiensville (V)	25	Fulton (T)	15	Sheboygan Falls (C)	84
Balance of County	125	Janesville (C)	865	Wilson (T)	18
		Janesville (T)	25	Balance of County	266
PEPIN	98	Milton (C)	81		
		Milton (T)	26	TAYLOR	229
PIERCE	379	Rock (T)	9	Medford (C)	59
Ellsworth (V)	44	Turtle (T)	11	Balance of County	170
Prescott (C)	58	Balance of County	169		
River Falls (C) (Pt.)	95			TREMPEALEAU	296
Balance of County	182	RUSK	176		
		Ladysmith (C)	60	VERNON	374
POLK	471	Balance of County	116	Viroqua (C)	52
Amery (C)	46			Balance of County	322
Balance of County	425	ST.CROIX	886		
		Hudson (C)	204	VILAS	170
PORTAGE	789	Hudson (T)	80	Arbor Vitae (T)	28
Hull (T)	27	New Richmond (C)	128	Lac du Flambeau (T)	41
Plover (V)	174	North Hudson (V)	24	Balance of County	101
Stevens Point (C)	336	River Falls (C) (Pt.)	40		
Stockton (T)	26	St. Joseph (T)	22	WALWORTH	1,107
Balance of County	226	Troy (T)	29	Bloomfield (T)	41
		Balance of County	359	Burlington (C) (Pt.)	6
PRICE	141			Delavan (C)	163
Park Falls (C)	29	SAUK	671	Delavan (T)	58
Balance of County	112	Baraboo (C)	169	East Troy (T)	42
		Prairie Du Sac (V)	48	East Troy (V)	75
RACINE	2,534	Reedsburg (C)	118	Elkhorn (C)	124
Burlington (C) (Pt.)	153	Sauk City (V)	38	Geneva (T)	26
Burlington (T)	64	Balance of County	298	Lake Geneva (C)	129
Caledonia (T)	186			Lyons (T)	25
Dover (T)	25	SAWYER	161	Sugar Creek (T)	18
Mt. Pleasant (T)	76	Hayward (T)	35	Whitewater (C) (Pt.)	84
Norway (T)	62	Balance of County	126	Balance of County	316
Racine (C)	1,642				
Raymond (T)	24	SHAWANO	480	WASHBURN	155
Sturtevant (V)	49	Shawano (C)	128	Spooner (C)	30
Union Grove (V)	62	Wescott (T)	31	Balance of County	125
Waterford (T)	85	Balance of County	321		
Waterford (V)	58				
Yorkville (T)	13				
Balance of County	35				

(Continued)

Table 3. Number of Births by County of Residence and Selected Minor Civil Divisions, Wisconsin 1999

WASHINGTON	1,566	Merton (T)	57	WINNEBAGO	1,798
Addison (T)	25	Milwaukee (C) (Pt.)	1	Algoma (T)	57
Barton (T)	21	Mukwonago (T)	72	Appleton (C) (Pt.)	25
Erin (T)	22	Mukwonago (V)	88	Clayton (T)	25
Farmington(T)	23	Muskego (C)	276	Menasha (C) (Pt.)	244
Germantown (V)	229	New Berlin (C)	411	Menasha (T)	114
Hartford (C)	198	Oconomowoc (C)	196	Neenah (C)	347
Hartford (T)	43	Oconomowoc (T)	69	Neenah (T)	21
Jackson (T)	36	Ottawa (T)	25	Omro (C)	53
Jackson (V)	97	Pewaukee (T)	124	Oshkosh (C)	760
Kewaskum (V)	51	Pewaukee (V)	141	Oshkosh (T)	6
Milwaukee (C) (Pt.)	3	Summit (T)	48	Balance of County	146
Polk (T)	21	Sussex (V)	173		
Richfield (T)	107	Vernon (T)	54	WOOD	903
Slinger (V)	67	Wales (V)	29	Grand Rapids (T)	56
Trenton (T)	43	Waukesha (C)	1,073	Marshfield (C) (Pt.)	238
West Bend (C)	449	Waukesha (T)	75	Nekoosa (C)	44
West Bend (T)	47	Balance of County	184	Saratoga (T)	40
Balance of County	84			Wisconsin Rapids (C)	282
		WAUPACA	599	Balance of County	243
WAUKESHA	4,284	Clintonville (C)	70		
Brookfield (C)	299	Farmington (T)	26		
Brookfield (T)	60	Mukwa (T)	25		
Delafield (C)	46	New London (C)	95		
Delafield (T)	55	Waupaca (C)	85		
Eagle (T)	24	Balance of County	298		
Elm Grove (V)	48				
Genesse (T)	56	WAUSHARA	217		
Hartland (V)	135	Berlin (C) (Pt.)	7		
Lisbon (T)	76	Balance of County	210		
Menomonee Falls (V)	389				

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Minor civil divisions are City (C), Village (V), Township (T). Places located in more than one county are indicated by (Pt.) (an abbreviation of "Part").

Table 4. Births by County, City and Hospital of Occurrence, Wisconsin 1999

County	City	Hospital	Births
Ashland	Ashland	Memorial Medical Center	326
Barron	Cumberland	Cumberland Memorial Hospital	68
	Rice Lake	Lakeview Medical Center	455
	Barron	Barron Memorial Medical Center	87
Brown	Green Bay	Bellin Memorial Hospital	1,882
	Green Bay	St. Mary's Hospital Medical Center	593
	Green Bay	St. Vincent Hospital	1,573
Burnett	Grantsburg	Burnett Medical Center, Inc.	49
Chippewa	Bloomer	Bloomer Community Memorial Hospital	45
	Chippewa Falls	St. Joseph's Hospital	445
Clark	Neillsville	Memorial Hospital, Inc.	39
Columbia	Columbus	Columbus Community Hospital, Inc.	133
	Portage	Divine Savior Hospital and Nursing Home, Inc.	240
Crawford	Prairie du Chien	Prairie du Chien Memorial Hospital	139
Dane	Madison	Meriter Hospital, Inc.	3,353
	Madison	St. Mary's Hospital Medical Center	2,877
Dodge	Beaver Dam	Beaver Dam Community Hospitals, Inc.	407
	Watertown	Watertown Memorial Hospital	204
	Waupun	Waupun Memorial Hospital	110
Door	Sturgeon Bay	Door County Memorial Hospital	199
Dunn	Menomonie	Myrtle Werth Hospital	259
Eau Claire	Eau Claire	Luther Hospital	858
	Eau Claire	Sacred Heart Hospital	827
Fond du Lac	Fond du Lac	St. Agnes Hospital	1,045
	Ripon	Ripon Medical Center	84
Grant	Boscobel	Boscobel Area Health Care	79
	Lancaster	Grant Regional Health Center, Inc.	92
	Platteville	Southwest Health Center, Inc.	149
Green	Monroe	St. Clare Hospital/The Monroe Clinic	421
Green Lake	Berlin	Berlin Memorial Hospital	215
Iowa	Dodgeville	Memorial Hospital of Iowa County, Inc.	248
Jackson	Black River Falls	Black River Memorial Hospital	163
Jefferson	Ft. Atkinson	Ft Atkinson Memorial Health Services	475
Juneau	Mauston	Hess Memorial Hospital	234
Kenosha	Kenosha	Aurora Medical Center	519
	Kenosha	Kenosha Hospital and Medical Center	648
	Kenosha	St. Catherine's Hospital	490
La Crosse	La Crosse	Gundersen Lutheran Hospital - La Crosse	1,521
	La Crosse	Franciscan Skemp Healthcare - La Crosse	679
Lafayette	Darlington	Memorial Hospital of Lafayette County	43
Langlade	Antigo	Langlade Memorial Hospital	226
Lincoln	Merrill	Good Samaritan Health Center	173
Manitowoc	Manitowoc	Holy Family Memorial Medical Center	469
	Two Rivers	Two Rivers Community Hospital, Inc.	299
Marathon	Wausau	Wausau Hospital	1,381
Marinette	Marinette	Bay Area Medical Center	371
Milwaukee	Cudahy	St. Lukes, Southshore	1
	Milwaukee	Columbia Hospital	1,048
	Milwaukee	Northwest General	2
	Milwaukee	Sinai-Samaritan Medical Center	3,063
	Milwaukee	St. Francis Hospital	1,583
	Milwaukee	St. Joseph's Hospital – Milwaukee	3,745
	Milwaukee	St. Luke's Medical Center	1,547
	Milwaukee	St. Mary's Hospital – Milwaukee	2,666
	Milwaukee	St. Michael Hospital	891

(Continued)

County	City	Hospital	Births
Milwaukee	Wauwatosa	Froedtert Memorial Lutheran Hospital	1,053
	West Allis	West Allis Memorial Hospital	664
Monroe	Sparta	Franciscan Skemp Healthcare – Sparta	81
	Tomah	Tomah Memorial Hospital, Inc.	180
Oconto	Oconto Falls	Community Memorial Hospital	54
Oneida	Rhineland	Sacred Heart-St. Mary's Hospital, Inc.	379
	Woodruff	Howard Young Medical Center, Inc.	296
Outagamie	Appleton	Appleton Medical Center	1,253
	Appleton	St. Elizabeth Hospital	1,424
	New London	New London Family Medical Center	188
Ozaukee	Ozaukee	St. Mary's Hospital – Ozaukee	764
Pepin	Durand	Chippewa Valley Hospital	32
Polk	Amery	Apple River Hospital	137
	Osceola	Osceola Medical Center	86
Portage	St. Croix	St. Croix Valley Memorial Hospital	294
	Stevens Point	St. Michael's Hospital	750
Price	Park Falls	Flambeau Medical Center	86
Racine	Burlington	Memorial Hospital Corporation of Burlington	457
	Racine	St. Luke's Memorial Hospital	1,912
Richland	Richland Center	The Richland Hospital, Inc.	166
Rock	Beloit	Beloit Memorial Hospital, Inc.	708
	Janesville	Mercy Health System	1,269
Rusk	Ladysmith	Rusk County Memorial Hospital	119
Sauk	Baraboo	St. Clare Hospital and Health Services	293
	Prairie du Sac	Sauk-Prairie Memorial Hospital	213
	Reedsburg	Reedsburg Area Medical Center	177
Sawyer	Hayward	Hayward Area Memorial Hospital	116
Shawano	Shawano	Shawano Medical Center	368
Sheboygan	Plymouth	Valley View Medical Center	175
	Sheboygan	Sheboygan Memorial Medical Center	938
	Sheboygan	St. Nicholas Hospital	316
St. Croix	Baldwin	Baldwin Hospital, Inc.	89
	Hudson	Hudson Memorial Hospital, Inc.	190
	New Richmond	Holy Family Hospital	124
	River Falls	River Falls Area Hospital	256
Taylor	Medford	Memorial Hospital of Taylor County, Inc.	157
Trempealeau	Arcadia	Franciscan Skemp Healthcare – Arcadia	47
Vernon	Hillsboro	St. Joseph's Memorial Hospital, Inc.	29
	Viroqua	Vernon Memorial Hospital	190
Walworth	Elkhorn	Lakeland Medical Center, Inc.	593
Washburn	Shell Lake	Indianhead Medical Center, Inc.	25
	Spooner	Spooner Community Memorial Hospital	83
Washington	Hartford	Hartford Memorial Hospital	254
	West Bend	St. Joseph's Community Hospital	777
Waukesha	Brookfield	Elmbrook Memorial Hospital	997
	Menomonee Falls	Community Memorial Hospital	868
	Oconomowoc	Memorial Hospital at Oconomowoc	674
	Waukesha	Waukesha Memorial Hospital, Inc.	2,278
Waupaca	Waupaca	Riverside Medical Center	253
Winnebago	Neeah	Theda Clark Medical Center	1,009
	Oshkosh	Mercy Medical Center	984
Wood	Marshfield	St. Joseph's Hospital	1,196
	Wisconsin Rapids	Riverview Hospital Association	558

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: Number shown includes all births that occurred at the hospital, including births to women who were not Wisconsin residents.

Table 5. Home Births by County of Birth, Wisconsin 1999

County of Birth	Number of Births	County of Birth	Number of Births
Adams	-	Marathon	26
Ashland	2	Marinette	6
Barron	11	Marquette	10
Bayfield	4	Menominee	1
Brown	20	Milwaukee	38
Buffalo	2	Monroe	57
Burnett	-	Oconto	3
Calumet	5	Oneida	4
Chippewa	6	Outagamie	15
Clark	114	Ozaukee	2
Columbia	11	Pepin	27
Crawford	7	Pierce	1
Dane	32	Polk	4
Dodge	10	Portage	9
Door	7	Price	-
Douglas	2	Racine	10
Dunn	5	Richland	11
Eau Claire	32	Rock	24
Florence	-	Rusk	11
Fond du Lac	6	St. Croix	1
Forest	-	Sauk	18
Grant	10	Sawyer	3
Green	6	Shawano	12
Green Lake	23	Sheboygan	8
Iowa	2	Taylor	12
Iron	-	Trempealeau	3
Jackson	2	Vernon	60
Jefferson	5	Vilas	2
Juneau	2	Walworth	15
Kenosha	7	Washburn	6
Kewaunee	2	Washington	8
La Crosse	3	Waukesha	12
Lafayette	2	Waupaca	11
Langlade	-	Waushara	14
Lincoln	2	Winnebago	8
Manitowoc	4	Wood	2
		Total	801

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: This table shows the number of Wisconsin resident births in 1999 that occurred at home by the county in which the birth occurred. (The county in which the home birth occurred is not always the residence of the mother.) In Vernon County, 46 deliveries took place at a clinic; these births are not included in either the hospital or the home birth totals shown. Almost all births (67,322 or 99 percent) occurred in hospitals.

A dash (-) indicates there were no home births in that county.

Included in the total is 1 home birth for which county was not reported.

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 1999

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,181	116	2,432	4,760	14,986	19,716	17,407	7,427	1,257	71
Adams	179	-	6	17	54	50	36	14	2	-
Ashland	195	-	5	21	56	51	45	15	2	-
Barron	506	-	15	45	146	148	102	42	8	-
Bayfield	150	-	5	16	39	39	25	15	11	-
Brown	3,098	8	89	193	619	938	848	350	53	-
Buffalo	159	-	4	5	40	62	30	17	1	-
Burnett	146	-	7	17	48	45	24	5	-	-
Calumet	504	-	7	23	74	164	172	60	4	-
Chippewa	684	1	19	67	162	207	151	63	13	1
Clark	493	-	15	20	149	149	94	52	14	-
Columbia	623	1	11	26	143	202	155	75	10	-
Crawford	202	-	6	17	54	50	40	27	7	1
Dane	5,189	3	107	229	847	1,441	1,668	772	116	6
Dodge	986	-	27	71	237	306	241	85	18	1
Door	265	-	4	16	46	71	74	46	3	5
Douglas	468	-	18	48	105	131	109	45	11	1
Dunn	441	-	14	24	111	141	103	36	12	-
Eau Claire	1,084	-	18	71	250	356	271	101	15	2
Florence	49	-	-	2	11	14	14	7	1	-
Fond du Lac	1,202	1	36	83	247	409	304	102	20	-
Forest	114	-	4	15	32	40	16	7	-	-
Grant	476	-	9	31	106	163	120	42	5	-
Green	392	-	16	22	85	122	91	50	6	-
Green Lake	214	-	4	10	53	64	54	23	6	-
Iowa	297	-	5	13	45	113	83	25	13	-
Iron	20	-	-	1	5	9	5	-	-	-
Jackson	198	2	10	20	56	51	41	14	4	-
Jefferson	939	-	26	62	200	296	241	98	14	2
Juneau	282	-	7	34	83	70	55	27	6	-
Kenosha	2,162	8	89	165	490	617	508	236	45	4
Kewaunee	240	-	7	11	49	87	61	23	2	-
La Crosse	1,238	-	42	72	252	416	306	125	23	2
Lafayette	169	-	7	7	33	67	34	20	1	-
Langlade	236	-	16	22	73	57	49	15	4	-
Lincoln	342	-	9	24	89	96	78	40	5	1
Manitowoc	918	1	36	53	193	281	232	106	15	1
Marathon	1,484	1	37	105	325	483	391	117	20	5
Marinette	398	-	12	30	118	105	85	40	8	-
Marquette	176	-	4	17	39	52	44	15	5	-
Menominee	97	-	7	16	34	24	10	4	2	-
Milwaukee	14,832	68	942	1,470	3,968	3,649	3,063	1,377	275	18
Monroe	510	-	18	35	141	161	110	34	9	1

(Continued)

Table 6a. Number of Births by Age of Mother and County of Residence, Wisconsin 1999

County	Total	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	379	-	13	29	70	124	100	38	5	-
Oneida	313	-	7	19	73	98	73	38	5	-
Outagamie	2,191	1	62	108	405	703	653	227	30	2
Ozaukee	871	1	12	19	103	232	335	154	14	-
Pepin	98	-	1	8	27	20	26	15	1	-
Pierce	379	1	2	24	79	133	92	39	7	2
Polk	471	-	13	34	102	142	121	53	6	-
Portage	789	2	20	55	140	251	203	103	14	1
Price	141	-	6	7	40	43	30	14	-	1
Racine	2,534	5	127	216	595	701	600	255	35	-
Richland	193	-	3	15	41	63	48	16	7	-
Rock	2,013	5	81	180	537	615	411	155	28	1
Rusk	176	-	9	18	46	53	35	12	3	-
St. Croix	886	-	13	37	162	306	237	112	15	-
Sauk	671	-	21	42	153	217	161	60	17	-
Sawyer	161	-	10	18	46	50	25	9	3	-
Shawano	480	-	10	35	112	153	131	29	9	1
Sheboygan	1,380	1	51	98	296	441	343	126	22	2
Taylor	229	-	5	16	68	79	41	15	4	1
Trempealeau	296	-	7	17	60	87	97	20	7	1
Vernon	374	-	7	22	88	93	100	54	10	-
Vilas	170	-	7	7	43	43	45	19	6	-
Walworth	1,107	2	40	70	256	323	255	135	26	-
Washburn	155	-	9	10	38	48	27	17	6	-
Washington	1,566	1	29	59	246	491	486	222	31	-
Waukesha	4,284	-	47	127	447	1,167	1,646	745	102	3
Waupaca	599	-	13	39	172	165	134	65	11	-
Waushara	217	-	11	24	48	61	47	22	3	1
Winnebago	1,798	2	51	105	368	515	516	209	29	3
Wood	903	1	25	56	218	302	206	82	12	1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 9 births for which age of mother was not reported. A dash (-) indicates that there were no events in that category.

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,181	0.2%	3.6%	7.0%	22.0%	28.9%	25.5%	10.9%	1.8%	0.1%
Adams	179	-	3.4	9.5	30.2	27.9	20.1	7.8	1.1	-
Ashland	195	-	2.6	10.8	28.7	26.2	23.1	7.7	1.0	-
Barron	506	-	3.0	8.9	28.9	29.2	20.2	8.3	1.6	-
Bayfield	150	-	3.3	10.7	26.0	26.0	16.7	10.0	7.3	-
Brown	3,098	0.3	2.9	6.2	20.0	30.3	27.4	11.3	1.7	-
Buffalo	159	-	2.5	3.1	25.2	39.0	18.9	10.7	0.6	-
Burnett	146	-	4.8	11.6	32.9	30.8	16.4	3.4	-	-
Calumet	504	-	1.4	4.6	14.7	32.5	34.1	11.9	0.8	-
Chippewa	684	0.1	2.8	9.8	23.7	30.3	22.1	9.2	1.9	0.1
Clark	493	-	3.0	4.1	30.2	30.2	19.1	10.5	2.8	-
Columbia	623	0.2	1.8	4.2	23.0	32.4	24.9	12.0	1.6	-
Crawford	202	-	3.0	8.4	26.7	24.8	19.8	13.4	3.5	0.5
Dane	5,189	0.1	2.1	4.4	16.3	27.8	32.1	14.9	2.2	0.1
Dodge	986	-	2.7	7.2	24.0	31.0	24.4	8.6	1.8	0.1
Door	265	-	1.5	6.0	17.4	26.8	27.9	17.4	1.1	1.9
Douglas	468	-	3.8	10.3	22.4	28.0	23.3	9.6	2.4	0.2
Dunn	441	-	3.2	5.4	25.2	32.0	23.4	8.2	2.7	-
Eau Claire	1,084	-	1.7	6.5	23.1	32.8	25.0	9.3	1.4	0.2
Florence	49	-	-	4.1	22.4	28.6	28.6	14.3	2.0	-
Fond du Lac	1,202	0.1	3.0	6.9	20.5	34.0	25.3	8.5	1.7	-
Forest	114	-	3.5	13.2	28.1	35.1	14.0	6.1	-	-
Grant	476	-	1.9	6.5	22.3	34.2	25.2	8.8	1.1	-
Green	392	-	4.1	5.6	21.7	31.1	23.2	12.8	1.5	-
Green Lake	214	-	1.9	4.7	24.8	30.0	25.2	10.7	2.8	-
Iowa	297	-	1.7	4.4	15.2	38.0	27.9	8.4	4.4	-
Iron	20	-	-	5.0	25.0	45.0	25.0	-	-	-
Jackson	198	1.0	5.1	10.1	28.3	25.8	20.7	7.1	2.0	-
Jefferson	939	-	2.8	6.6	21.3	31.5	25.7	10.4	1.5	0.2
Juneau	282	-	2.5	12.1	29.4	24.8	19.5	9.6	2.1	-
Kenosha	2,162	0.4	4.1	7.6	22.7	28.5	23.5	10.9	2.1	0.2
Kewaunee	240	-	2.9	4.6	20.4	36.3	25.4	9.6	0.8	-
La Crosse	1,238	-	3.4	5.8	20.4	33.6	24.7	10.1	1.9	0.2
Lafayette	169	-	4.1	4.1	19.5	39.6	20.1	11.8	0.6	-
Langlade	236	-	6.8	9.3	30.9	24.2	20.8	6.4	1.7	-
Lincoln	342	-	2.6	7.0	26.0	28.1	22.8	11.7	1.5	0.3
Manitowoc	918	0.1	3.9	5.8	21.0	30.6	25.3	11.5	1.6	0.1
Marathon	1,484	0.1	2.5	7.1	21.9	32.5	26.3	7.9	1.3	0.3
Marinette	398	-	3.0	7.5	29.6	26.4	21.4	10.1	2.0	-
Marquette	176	-	2.3	9.7	22.2	29.5	25.0	8.5	2.8	-
Menominee	97	-	7.2	16.5	35.1	24.7	10.3	4.1	2.1	-
Milwaukee	14,832	0.5	6.4	9.9	26.8	24.6	20.7	9.3	1.9	0.1
Monroe	510	-	3.5	6.9	27.6	31.6	21.6	6.7	1.8	0.2

(Continued)

Table 6b. Percent of Births by Age of Mother and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Oconto	379	-	3.4	7.7	18.5	32.7	26.4	10.0	1.3	-
Oneida	313	-	2.2	6.1	23.3	31.3	23.3	12.1	1.6	-
Outagamie	2,191	0.0	2.8	4.9	18.5	32.1	29.8	10.4	1.4	0.1
Ozaukee	871	0.1	1.4	2.2	11.8	26.6	38.5	17.7	1.6	-
Pepin	98	-	1.0	8.2	27.6	20.4	26.5	15.3	1.0	-
Pierce	379	0.3	0.5	6.3	20.8	35.1	24.3	10.3	1.8	0.5
Polk	471	-	2.8	7.2	21.7	30.1	25.7	11.3	1.3	-
Portage	789	0.3	2.5	7.0	17.7	31.8	25.7	13.1	1.8	0.1
Price	141	-	4.3	5.0	28.4	30.5	21.3	9.9	-	0.7
Racine	2,534	0.2	5.0	8.5	23.5	27.7	23.7	10.1	1.4	-
Richland	193	-	1.6	7.8	21.2	32.6	24.9	8.3	3.6	-
Rock	2,013	0.2	4.0	8.9	26.7	30.6	20.4	7.7	1.4	0.0
Rusk	176	-	5.1	10.2	26.1	30.1	19.9	6.8	1.7	-
St. Croix	886	-	1.5	4.2	18.3	34.5	26.7	12.6	1.7	-
Sauk	671	-	3.1	6.3	22.8	32.3	24.0	8.9	2.5	-
Sawyer	161	-	6.2	11.2	28.6	31.1	15.5	5.6	1.9	-
Shawano	480	-	2.1	7.3	23.3	31.9	27.3	6.0	1.9	0.2
Sheboygan	1,380	0.1	3.7	7.1	21.4	32.0	24.9	9.1	1.6	0.1
Taylor	229	-	2.2	7.0	29.7	34.5	17.9	6.6	1.7	0.4
Trempealeau	296	-	2.4	5.7	20.3	29.4	32.8	6.8	2.4	0.3
Vernon	374	-	1.9	5.9	23.5	24.9	26.7	14.4	2.7	-
Vilas	170	-	4.1	4.1	25.3	25.3	26.5	11.2	3.5	-
Walworth	1,107	0.2	3.6	6.3	23.1	29.2	23.0	12.2	2.3	-
Washburn	155	-	5.8	6.5	24.5	31.0	17.4	11.0	3.9	-
Washington	1,566	0.1	1.9	3.8	15.7	31.4	31.0	14.2	2.0	-
Waukesha	4,284	-	1.1	3.0	10.4	27.2	38.4	17.4	2.4	0.1
Waupaca	599	-	2.2	6.5	28.7	27.5	22.4	10.9	1.8	-
Waushara	217	-	5.1	11.1	22.1	28.1	21.7	10.1	1.4	0.5
Winnebago	1,798	0.1	2.8	5.8	20.5	28.6	28.7	11.6	1.6	0.2
Wood	903	0.1	2.8	6.2	24.1	33.4	22.8	9.1	1.3	0.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 9 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 7a. Number of Births by Age of Mother and Region, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,181	116	2,432	4,760	14,986	19,716	17,407	7,427	1,257	71
DHFS Regions										
Southern	11,672	9	306	704	2,418	3,479	3,143	1,368	236	9
Southeastern	28,295	85	1,312	2,188	6,305	7,476	7,134	3,222	542	27
Northeastern	14,156	14	417	890	2,943	4,357	3,808	1,485	227	15
Western	8,762	4	241	594	2,062	2,749	2,076	856	165	10
Northern	5,296	4	156	384	1,258	1,655	1,246	496	87	10
Perinatal Regions										
South Central	13,516	11	366	819	2,820	4,048	3,599	1,574	269	10
Southeast	27,629	84	1,297	2,154	6,145	7,298	6,981	3,115	524	27
Fox Valley	6,901	4	188	409	1,406	2,133	1,924	723	108	6
Northeast	5,875	9	178	383	1,241	1,783	1,541	636	97	7
Western	7,526	4	189	498	1,730	2,373	1,827	752	138	10
North Central	5,439	4	160	366	1,307	1,708	1,275	521	88	10
Northwest	1,295	-	54	131	337	373	260	106	33	1

Table 7b. Percent of Births by Age of Mother and Region, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,181	0.2%	3.5%	6.8%	21.7%	29.6%	25.4%	11.0%	1.8%	0.1%
DHFS Regions										
Southern	11,672	0.1	2.6	6.0	20.7	29.8	26.9	11.7	2.0	0.1
Southeastern	28,295	0.3	4.6	7.7	22.3	26.4	25.2	11.4	1.9	0.1
Northeastern	14,156	0.1	2.9	6.3	20.8	30.8	26.9	10.5	1.6	0.1
Western	8,762	0.0	2.8	6.8	23.5	31.4	23.7	9.8	1.9	0.1
Northern	5,296	0.1	2.9	7.3	23.8	31.3	23.5	9.4	1.6	0.2
Perinatal Regions										
South Central	13,516	0.1	2.7	6.1	20.9	29.9	26.6	11.6	2.0	0.1
Southeast	27,629	0.3	4.7	7.8	22.2	26.4	25.3	11.3	1.9	0.1
Fox Valley	6,901	0.1	2.7	5.9	20.4	30.9	27.9	10.5	1.6	0.1
Northeast	5,875	0.2	3.0	6.5	21.1	30.3	26.2	10.8	1.7	0.1
Western	7,526	0.1	2.5	6.6	23.0	31.5	24.3	10.0	1.8	0.1
North Central	5,439	0.1	2.9	6.7	24.0	31.4	23.4	9.6	1.6	0.2
Northwest	1,295	-	4.2	10.1	26.0	28.8	20.1	8.2	2.5	0.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 9 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97)

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 1999

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	68,181	54,813	6,444	924	4,036	1,025	929
Adams	179	172	1	2	4	-	-
Ashland	195	154	1	37	3	-	-
Barron	506	491	2	3	7	1	2
Bayfield	150	124	-	24	1	-	1
Brown	3,098	2,639	30	139	175	91	24
Buffalo	159	156	-	1	1	-	1
Burnett	146	131	-	14	1	-	-
Calumet	504	487	1	1	9	6	-
Chippewa	684	660	2	7	5	5	5
Clark	493	482	3	-	7	-	1
Columbia	623	600	2	2	14	-	5
Crawford	202	197	1	1	1	-	2
Dane	5,189	4,212	336	35	334	65	205
Dodge	986	916	2	3	60	1	4
Door	265	260	2	-	2	1	-
Douglas	468	441	3	12	5	2	5
Dunn	441	410	1	2	4	21	3
Eau Claire	1,084	999	6	7	15	48	9
Florence	49	48	-	-	-	-	1
Fond du Lac	1,202	1,124	18	7	36	12	5
Forest	114	91	-	21	2	-	-
Grant	476	472	-	1	2	-	1
Green	392	388	-	-	3	-	1
Green Lake	214	208	-	-	6	-	-
Iowa	297	294	1	1	1	-	-
Iron	20	18	1	-	1	-	-
Jackson	198	168	2	23	5	-	-
Jefferson	939	859	5	3	62	2	8
Juneau	282	264	1	12	3	-	2
Kenosha	2,162	1,720	166	11	236	-	27
Kewaunee	240	239	-	-	-	-	1
La Crosse	1,238	1,132	7	8	13	62	16
Lafayette	169	169	-	-	-	-	-
Langlade	236	226	-	6	4	-	-
Lincoln	342	332	1	3	4	-	2
Manitowoc	918	858	2	7	19	28	3
Marathon	1,484	1,341	1	11	9	109	12
Marinette	398	385	2	3	7	-	1
Marquette	176	171	1	-	4	-	-
Menominee	97	3	-	92	2	-	-
Milwaukee	14,832	6,971	5,283	133	1,842	292	309
Monroe	510	484	-	9	16	-	1

(Continued)

Table 8a. Number of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 1999

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	379	369	-	5	5	-	-
Oneida	313	307	-	3	1	-	2
Outagamie	2,191	1,985	9	36	68	76	17
Ozaukee	871	819	6	4	22	1	19
Pepin	98	98	-	-	-	-	-
Pierce	379	371	1	1	3	-	3
Polk	471	454	2	8	6	-	1
Portage	789	730	3	5	16	26	9
Price	141	137	-	2	-	-	2
Racine	2,534	1,837	354	5	320	-	17
Richland	193	192	-	-	-	-	1
Rock	2,013	1,759	112	5	113	1	23
Rusk	176	171	1	1	1	1	1
St. Croix	886	864	2	3	9	3	5
Sauk	671	643	1	13	14	-	-
Sawyer	161	114	-	46	1	-	-
Shawano	480	423	1	45	7	1	3
Sheboygan	1,380	1,203	6	7	60	90	14
Taylor	229	226	-	-	2	-	1
Trempealeau	296	292	-	-	4	-	-
Vernon	374	365	1	4	2	-	2
Vilas	170	128	1	36	4	-	1
Walworth	1,107	945	8	3	142	-	9
Washburn	155	152	-	-	2	-	1
Washington	1,566	1,515	3	6	29	1	12
Waukesha	4,284	3,934	27	20	192	7	104
Waupaca	599	578	2	5	11	-	3
Waushara	217	199	1	-	16	-	1
Winnebago	1,798	1,658	11	9	48	56	15
Wood	903	849	8	11	13	16	6

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 10 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 1999

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	68,181	80.4%	9.5%	1.4%	5.9%	1.5%	1.4%
Adams	179	96.1	0.6	1.1	2.2	-	-
Ashland	195	79.0	0.5	19.0	1.5	-	-
Barron	506	97.0	0.4	0.6	1.4	0.2	0.4
Bayfield	150	82.7	-	16.0	0.7	-	0.7
Brown	3,098	85.2	1.0	4.5	5.6	2.9	0.8
Buffalo	159	98.1	-	0.6	0.6	-	0.6
Burnett	146	89.7	-	9.6	0.7	-	-
Calumet	504	96.6	0.2	0.2	1.8	1.2	-
Chippewa	684	96.5	0.3	1.0	0.7	0.7	0.7
Clark	493	97.8	0.6	-	1.4	-	0.2
Columbia	623	96.3	0.3	0.3	2.2	-	0.8
Crawford	202	97.5	0.5	0.5	0.5	-	1.0
Dane	5,189	81.2	6.5	0.7	6.4	1.3	4.0
Dodge	986	92.9	0.2	0.3	6.1	0.1	0.4
Door	265	98.1	0.8	-	0.8	0.4	-
Douglas	468	94.2	0.6	2.6	1.1	0.4	1.1
Dunn	441	93.0	0.2	0.5	0.9	4.8	0.7
Eau Claire	1,084	92.2	0.6	0.6	1.4	4.4	0.8
Florence	49	98.0	-	-	-	-	2.0
Fond du Lac	1,202	93.5	1.5	0.6	3.0	1.0	0.4
Forest	114	79.8	-	18.4	1.8	-	-
Grant	476	99.2	-	0.2	0.4	-	0.2
Green	392	99.0	-	-	0.8	-	0.3
Green Lake	214	97.2	-	-	2.8	-	-
Iowa	297	99.0	0.3	0.3	0.3	-	-
Iron	20	90.0	5.0	-	5.0	-	-
Jackson	198	84.8	1.0	11.6	2.5	-	-
Jefferson	939	91.5	0.5	0.3	6.6	0.2	0.9
Juneau	282	93.6	0.4	4.3	1.1	-	0.7
Kenosha	2,162	79.6	7.7	0.5	10.9	-	1.2
Kewaunee	240	99.6	-	-	-	-	0.4
La Crosse	1,238	91.4	0.6	0.6	1.1	5.0	1.3
Lafayette	169	100.0	-	-	-	-	-
Langlade	236	95.8	-	2.5	1.7	-	-
Lincoln	342	97.1	0.3	0.9	1.2	-	0.6
Manitowoc	918	93.5	0.2	0.8	2.1	3.1	0.3
Marathon	1,484	90.4	0.1	0.7	0.6	7.3	0.8
Marinette	398	96.7	0.5	0.8	1.8	-	0.3
Marquette	176	97.2	0.6	-	2.3	-	-
Menominee	97	3.1	-	94.8	2.1	-	-
Milwaukee	14,832	47.0	35.6	0.9	12.4	2.0	2.1
Monroe	510	94.9	-	1.8	3.1	-	0.2

(Continued)

Table 8b. Percent of Births by Race/Ethnicity of Mother and County of Residence, Wisconsin 1999

County	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Oconto	379	97.4	-	1.3	1.3	-	-
Oneida	313	98.1	-	1.0	0.3	-	0.6
Outagamie	2,191	90.6	0.4	1.6	3.1	3.5	0.8
Ozaukee	871	94.0	0.7	0.5	2.5	0.1	2.2
Pepin	98	100.0	-	-	-	-	-
Pierce	379	97.9	0.3	0.3	0.8	-	0.8
Polk	471	96.4	0.4	1.7	1.3	-	0.2
Portage	789	92.5	0.4	0.6	2.0	3.3	1.1
Price	141	97.2	-	1.4	-	-	1.4
Racine	2,534	72.5	14.0	0.2	12.6	-	0.7
Richland	193	99.5	-	-	-	-	0.5
Rock	2,013	87.4	5.6	0.2	5.6	0.1	1.1
Rusk	176	97.2	0.6	0.6	0.6	0.6	0.6
St. Croix	886	97.5	0.2	0.3	1.0	0.3	0.6
Sauk	671	95.8	0.1	1.9	2.1	-	-
Sawyer	161	70.8	-	28.6	0.6	-	-
Shawano	480	88.1	0.2	9.4	1.5	0.2	0.6
Sheboygan	1,380	87.2	0.4	0.5	4.3	6.5	1.0
Taylor	229	98.7	-	-	0.9	-	0.4
Trempealeau	296	98.6	-	-	1.4	-	-
Vernon	374	97.6	0.3	1.1	0.5	-	0.5
Vilas	170	75.3	0.6	21.2	2.4	-	0.6
Walworth	1,107	85.4	0.7	0.3	12.8	-	0.8
Washburn	155	98.1	-	-	1.3	-	0.6
Washington	1,566	96.7	0.2	0.4	1.9	0.1	0.8
Waukesha	4,284	91.8	0.6	0.5	4.5	0.2	2.4
Waupaca	599	96.5	0.3	0.8	1.8	-	0.5
Waushara	217	91.7	0.5	-	7.4	-	0.5
Winnebago	1,798	92.2	0.6	0.5	2.7	3.1	0.8
Wood	903	94.0	0.9	1.2	1.4	1.8	0.7

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 10 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 9a. Number of Births by Race/Ethnicity of Mother and Region, Wisconsin 1999

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	68,181	54,813	6,444	924	4,036	1,025	929
DHFS Regions							
Southern	11,672	10,278	457	75	549	67	244
Southeastern	28,295	18,600	5,852	185	2,845	303	505
Northeastern	14,156	12,789	86	356	475	361	87
Western	8,762	8,321	33	103	106	143	56
Northern	5,296	4,825	16	205	61	151	37
Perinatal Regions							
South Central	13,516	11,885	469	80	752	69	259
Southeast	27,629	17,999	5,845	186	2,701	391	502
Fox Valley	6,901	6,410	43	58	198	150	41
Northeast	5,875	5,176	37	291	217	121	32
Western	7,526	7,141	27	77	91	140	50
North Central	5,439	5,068	18	99	63	152	38
Northwest	1,295	1,134	5	133	14	2	7

Table 9b. Percent of Births by Race/Ethnicity of Mother and Region, Wisconsin 1999

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	68,181	80.4%	9.5%	1.4%	5.9%	1.5%	1.4%
DHFS Regions							
Southern	11,672	88.1	3.9	0.6	4.7	0.6	2.1
Southeastern	28,295	65.7	20.7	0.7	10.1	1.1	1.8
Northeastern	14,156	90.3	0.6	2.5	3.4	2.6	0.6
Western	8,762	95.0	0.4	1.2	1.2	1.6	0.6
Northern	5,296	91.1	0.3	3.9	1.2	2.9	0.7
Perinatal Regions							
South Central	13,516	87.9	3.5	0.6	5.6	0.5	1.9
Southeast	27,629	65.1	21.2	0.7	9.8	1.4	1.8
Fox Valley	6,901	92.9	0.6	0.8	2.9	2.2	0.6
Northeast	5,875	88.1	0.6	5.0	3.7	2.1	0.5
Western	7,526	94.9	0.4	1.0	1.2	1.9	0.7
North Central	5,439	93.2	0.3	1.8	1.2	2.8	0.7
Northwest	1,295	87.6	0.4	10.3	1.1	0.2	0.5

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: See Technical Notes for full definitions of race/ethnicity categories. Included in the totals are 10 births for which race/ethnicity of mother was not reported. Percents may not add to 100 due to rounding. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97).

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 1999

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,181	2,084	8,828	21,761	16,470	11,250	7,659
Adams	179	1	39	77	42	12	8
Ashland	195	1	14	93	59	18	10
Barron	506	28	47	212	125	59	35
Bayfield	150	-	17	54	45	18	16
Brown	3,098	101	351	926	749	653	317
Buffalo	159	3	8	54	61	25	7
Burnett	146	1	26	66	31	10	11
Calumet	504	5	32	174	134	107	51
Chippewa	684	1	62	275	193	83	70
Clark	493	122	48	150	119	30	24
Columbia	623	12	56	199	202	89	65
Crawford	202	4	26	77	60	17	18
Dane	5,189	111	389	1,139	1,202	1,213	1,124
Dodge	986	9	130	412	251	118	64
Door	265	1	13	107	69	43	32
Douglas	468	-	61	155	151	67	30
Dunn	441	19	32	149	114	77	50
Eau Claire	1,084	44	61	306	298	216	156
Florence	49	-	5	15	11	9	9
Fond du Lac	1,202	11	163	447	325	160	94
Forest	114	1	19	57	28	5	4
Grant	476	13	36	162	155	56	52
Green	392	3	32	161	99	57	40
Green Lake	214	27	19	66	55	24	23
Iowa	297	-	22	94	86	62	33
Iron	20	-	-	7	10	1	2
Jackson	198	7	31	83	46	17	14
Jefferson	939	27	87	321	263	141	99
Juneau	282	-	42	130	69	22	19
Kenosha	2,162	59	309	758	528	317	187
Kewaunee	240	-	12	69	102	38	19
La Crosse	1,238	24	93	353	365	226	175
Lafayette	169	1	11	61	54	29	12
Langlade	236	3	46	99	50	21	17
Lincoln	342	1	43	135	94	37	31
Manitowoc	918	23	118	343	236	126	71
Marathon	1,484	62	107	549	412	213	139
Marinette	398	2	48	151	115	54	28
Marquette	176	9	16	78	44	16	13
Menominee	97	3	27	39	23	3	1
Milwaukee	14,832	699	3,486	4,502	2,835	1,930	1,359
Monroe	510	72	58	185	113	54	28

(Continued)

Table 10a. Number of Births by Education of Mother and County of Residence, Wisconsin 1999

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	379	1	44	154	107	44	29
Oneida	313	-	24	120	100	42	27
Outagamie	2,191	52	209	702	576	400	250
Ozaukee	871	4	34	184	213	275	160
Pepin	98	24	6	37	19	8	4
Pierce	379	1	20	153	82	59	63
Polk	471	2	49	190	137	58	32
Portage	789	6	59	242	215	149	108
Price	141	-	17	51	44	15	14
Racine	2,534	67	443	799	622	354	234
Richland	193	6	22	73	51	23	17
Rock	2,013	51	331	760	496	210	156
Rusk	176	2	24	85	42	13	10
St. Croix	886	1	39	301	221	214	103
Sauk	671	31	87	225	178	90	59
Sawyer	161	2	19	84	29	17	10
Shawano	480	11	53	186	144	53	33
Sheboygan	1,380	42	140	500	342	222	132
Taylor	229	15	21	105	57	15	16
Trempealeau	296	10	26	113	84	33	30
Vernon	374	90	22	93	100	33	36
Vilas	170	-	24	48	54	26	18
Walworth	1,107	48	155	368	245	164	126
Washburn	155	-	19	58	45	23	10
Washington	1,566	7	108	504	406	345	195
Waukesha	4,284	44	182	930	988	1,335	805
Waupaca	599	7	71	257	133	72	58
Waushara	217	15	46	83	32	23	18
Winnebago	1,798	24	200	570	406	349	239
Wood	903	11	92	296	279	113	110

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 129 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 1999

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,181	3.1%	12.9%	31.9%	24.2%	16.5%	11.2%
Adams	179	0.6	21.8	43.0	23.5	6.7	4.5
Ashland	195	0.5	7.2	47.7	30.3	9.2	5.1
Barron	506	5.5	9.3	41.9	24.7	11.7	6.9
Bayfield	150	-	11.3	36.0	30.0	12.0	10.7
Brown	3,098	3.3	11.3	29.9	24.2	21.1	10.2
Buffalo	159	1.9	5.0	34.0	38.4	15.7	4.4
Burnett	146	0.7	17.8	45.2	21.2	6.8	7.5
Calumet	504	1.0	6.3	34.5	26.6	21.2	10.1
Chippewa	684	0.1	9.1	40.2	28.2	12.1	10.2
Clark	493	24.7	9.7	30.4	24.1	6.1	4.9
Columbia	623	1.9	9.0	31.9	32.4	14.3	10.4
Crawford	202	2.0	12.9	38.1	29.7	8.4	8.9
Dane	5,189	2.1	7.5	22.0	23.2	23.4	21.7
Dodge	986	0.9	13.2	41.8	25.5	12.0	6.5
Door	265	0.4	4.9	40.4	26.0	16.2	12.1
Douglas	468	-	13.0	33.1	32.3	14.3	6.4
Dunn	441	4.3	7.3	33.8	25.9	17.5	11.3
Eau Claire	1,084	4.1	5.6	28.2	27.5	19.9	14.4
Florence	49	-	10.2	30.6	22.4	18.4	18.4
Fond du Lac	1,202	0.9	13.6	37.2	27.0	13.3	7.8
Forest	114	0.9	16.7	50.0	24.6	4.4	3.5
Grant	476	2.7	7.6	34.0	32.6	11.8	10.9
Green	392	0.8	8.2	41.1	25.3	14.5	10.2
Green Lake	214	12.6	8.9	30.8	25.7	11.2	10.7
Iowa	297	-	7.4	31.6	29.0	20.9	11.1
Iron	20	-	-	35.0	50.0	5.0	10.0
Jackson	198	3.5	15.7	41.9	23.2	8.6	7.1
Jefferson	939	2.9	9.3	34.2	28.0	15.0	10.5
Juneau	282	-	14.9	46.1	24.5	7.8	6.7
Kenosha	2,162	2.7	14.3	35.1	24.4	14.7	8.6
Kewaunee	240	-	5.0	28.8	42.5	15.8	7.9
La Crosse	1,238	1.9	7.5	28.5	29.5	18.3	14.1
Lafayette	169	0.6	6.5	36.1	32.0	17.2	7.1
Langlade	236	1.3	19.5	41.9	21.2	8.9	7.2
Lincoln	342	0.3	12.6	39.5	27.5	10.8	9.1
Manitowoc	918	2.5	12.9	37.4	25.7	13.7	7.7
Marathon	1,484	4.2	7.2	37.0	27.8	14.4	9.4
Marinette	398	0.5	12.1	37.9	28.9	13.6	7.0
Marquette	176	5.1	9.1	44.3	25.0	9.1	7.4
Menominee	97	3.1	27.8	40.2	23.7	3.1	1.0
Milwaukee	14,832	4.7	23.5	30.4	19.1	13.0	9.2
Monroe	510	14.1	11.4	36.3	22.2	10.6	5.5

(Continued)

Table 10b. Percent of Births by Education of Mother and County of Residence, Wisconsin 1999

County	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Oconto	379	0.3	11.6	40.6	28.2	11.6	7.7
Oneida	313	-	7.7	38.3	31.9	13.4	8.6
Outagamie	2,191	2.4	9.5	32.0	26.3	18.3	11.4
Ozaukee	871	0.5	3.9	21.1	24.5	31.6	18.4
Pepin	98	24.5	6.1	37.8	19.4	8.2	4.1
Pierce	379	0.3	5.3	40.4	21.6	15.6	16.6
Polk	471	0.4	10.4	40.3	29.1	12.3	6.8
Portage	789	0.8	7.5	30.7	27.3	18.9	13.7
Price	141	-	12.1	36.2	31.2	10.6	9.9
Racine	2,534	2.6	17.5	31.5	24.5	14.0	9.2
Richland	193	3.1	11.4	37.8	26.4	11.9	8.8
Rock	2,013	2.5	16.4	37.8	24.6	10.4	7.7
Rusk	176	1.1	13.6	48.3	23.9	7.4	5.7
St. Croix	886	0.1	4.4	34.0	24.9	24.2	11.6
Sauk	671	4.6	13.0	33.5	26.5	13.4	8.8
Sawyer	161	1.2	11.8	52.2	18.0	10.6	6.2
Shawano	480	2.3	11.0	38.8	30.0	11.0	6.9
Sheboygan	1,380	3.0	10.1	36.2	24.8	16.1	9.6
Taylor	229	6.6	9.2	45.9	24.9	6.6	7.0
Trempealeau	296	3.4	8.8	38.2	28.4	11.2	10.1
Vernon	374	24.1	5.9	24.9	26.7	8.8	9.6
Vilas	170	-	14.1	28.2	31.8	15.3	10.6
Walworth	1,107	4.3	14.0	33.2	22.1	14.8	11.4
Washburn	155	-	12.3	37.4	29.0	14.8	6.5
Washington	1,566	0.4	6.9	32.2	25.9	22.0	12.5
Waukesha	4,284	1.0	4.2	21.7	23.1	31.2	18.8
Waupaca	599	1.2	11.9	42.9	22.2	12.0	9.7
Waushara	217	6.9	21.2	38.2	14.7	10.6	8.3
Winnebago	1,798	1.3	11.1	31.7	22.6	19.4	13.3
Wood	903	1.2	10.2	32.8	30.9	12.5	12.2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 129 births for which education of mother was not reported. A dash (-) indicates that there were no births in that category.

Table 11a. Number of Births by Education of Mother and Region, Wisconsin 1999

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,181	2,084	8,828	21,761	16,470	11,250	7,659
DHFS Regions							
Southern	11,672	242	1,223	3,570	2,945	1,998	1,667
Southeastern	28,295	955	4,804	8,366	6,100	4,861	3,165
Northeastern	14,156	334	1,562	4,852	3,592	2,387	1,408
Western	8,762	451	732	3,018	2,346	1,305	888
Northern	5,296	102	507	1,955	1,487	699	531
Perinatal Regions							
South Central	13,516	313	1,439	4,182	3,393	2,286	1,874
Southeast	27,629	922	4,702	8,177	5,934	4,778	3,072
Fox Valley	6,901	150	756	2,377	1,705	1,151	746
Northeast	5,875	142	666	1,975	1,545	1,014	530
Western	7,526	330	580	2,581	2,018	1,179	821
North Central	5,439	223	529	1,952	1,505	688	527
Northwest	1,295	4	156	517	370	154	89

Table 11b. Percent of Births by Education of Mother and Region, Wisconsin 1999

	Total	Elementary or Less	Some High School	High School Graduate	Some College	College Graduate	Post Graduate
Total	68,181	3.1%	12.9%	31.9%	24.2%	16.5%	11.2%
DHFS Regions							
Southern	11,672	2.1	10.5	30.6	25.2	17.1	14.3
Southeastern	28,295	3.4	17.0	29.6	21.6	17.2	11.2
Northeastern	14,156	2.4	11.0	34.3	25.4	16.9	9.9
Western	8,762	5.1	8.4	34.4	26.8	14.9	10.1
Northern	5,296	1.9	9.6	36.9	28.1	13.2	10.0
Perinatal Regions							
South Central	13,516	2.3	10.6	30.9	25.1	16.9	13.9
Southeast	27,629	3.3	17.0	29.6	21.5	17.3	11.1
Fox Valley	6,901	2.2	11.0	34.4	24.7	16.7	10.8
Northeast	5,875	2.4	11.3	33.6	26.3	17.3	9.0
Western	7,526	4.4	7.7	34.3	26.8	15.7	10.9
North Central	5,439	4.1	9.7	35.9	27.7	12.6	9.7
Northwest	1,295	0.3	12.0	39.9	28.6	11.9	6.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: "Some High School" or "Some College" means the mother completed at least one year of schooling at that level. Included in the totals are 129 births for which education of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97).

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	20,131	115	2,215	3,829	7,613	3,536	1,724	891	203
Adams	61	-	6	13	24	10	5	2	n/s
Ashland	64	-	5	16	24	7	9	3	-
Barron	143	-	13	33	59	16	12	7	3
Bayfield	44	-	5	11	15	7	4	-	2
Brown	815	8	80	152	320	130	75	38	12
Buffalo	37	-	n/s	3	19	9	1	1	-
Burnett	48	-	7	11	21	6	2	1	-
Calumet	78	-	7	18	29	12	6	6	-
Chippewa	187	n/s	18	48	67	28	13	10	2
Clark	91	-	14	15	38	16	5	3	-
Columbia	134	n/s	11	19	51	31	15	6	-
Crawford	53	-	5	14	22	8	2	2	-
Dane	1,182	n/s	100	186	437	220	133	87	16
Dodge	224	-	25	61	73	38	13	12	2
Door	55	-	n/s	13	23	10	4	2	-
Douglas	157	-	15	35	52	32	14	7	2
Dunn	95	-	9	18	40	17	5	2	4
Eau Claire	259	-	15	54	107	50	23	9	1
Florence	1	-	-	-	1	-	-	-	-
Fond du Lac	313	n/s	35	69	105	63	28	9	3
Forest	39	-	n/s	12	11	9	1	2	-
Grant	118	-	9	24	47	22	12	3	1
Green	88	-	16	17	29	14	8	4	-
Green Lake	33	-	n/s	6	15	3	4	1	-
Iowa	48	-	4	13	15	8	5	3	-
Iron	4	-	-	n/s	3	-	-	-	-
Jackson	70	n/s	9	16	23	15	4	1	-
Jefferson	217	-	23	43	87	40	17	5	2
Juneau	103	-	6	24	47	11	10	3	2
Kenosha	740	8	84	135	274	138	61	32	8
Kewaunee	33	-	6	6	15	5	1	-	-
La Crosse	306	-	37	51	121	51	26	14	6
Lafayette	43	-	7	5	12	10	3	6	-
Langlade	86	-	16	16	38	10	3	2	n/s
Lincoln	83	-	9	20	28	11	11	2	2
Manitowoc	235	n/s	30	40	81	43	21	16	3
Marathon	317	n/s	20	71	121	55	31	13	5
Marinette	96	-	11	17	43	13	9	2	1
Marquette	39	-	n/s	13	11	7	2	1	1
Menominee	80	-	7	15	31	16	7	n/s	n/s
Milwaukee	7,328	68	890	1,316	2,792	1,274	617	299	71
Monroe	144	-	16	32	57	24	8	6	1

Table 12a. Number of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	113	-	13	24	39	22	10	5	-
Oneida	82	-	7	9	35	19	6	5	1
Outagamie	434	n/s	45	80	178	73	33	21	3
Ozaukee	103	n/s	11	15	39	21	10	6	-
Pepin	16	-	n/s	4	7	-	2	2	-
Pierce	76	n/s	n/s	19	30	15	6	2	1
Polk	118	-	9	25	35	30	13	6	-
Portage	168	n/s	17	45	60	26	5	11	2
Price	26	-	6	5	9	4	-	2	-
Racine	910	5	117	178	357	139	73	34	7
Richland	44	-	n/s	11	9	16	3	2	-
Rock	712	5	77	145	260	124	61	33	7
Rusk	49	-	7	14	11	13	4	-	-
St. Croix	155	-	13	27	50	34	17	9	1
Sauk	166	-	18	30	54	39	16	6	3
Sawyer	64	-	9	15	26	9	3	1	n/s
Shawano	124	-	10	25	49	19	18	1	2
Sheboygan	319	-	37	64	116	56	28	16	2
Taylor	50	-	3	8	23	10	5	1	-
Trempealeau	85	-	7	15	26	21	13	3	-
Vernon	68	-	7	16	26	11	3	5	-
Vilas	48	-	7	4	19	9	6	3	-
Walworth	262	n/s	36	51	94	47	20	11	1
Washburn	41	-	7	5	17	7	4	1	-
Washington	268	n/s	25	49	106	39	28	17	3
Waukesha	515	-	43	98	188	108	38	29	11
Waupaca	142	-	13	27	68	19	11	2	2
Waushara	64	-	9	16	19	10	8	2	-
Winnebago	392	n/s	45	80	142	70	32	20	1
Wood	226	n/s	22	43	93	37	18	10	2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 5 births for which age of mother was not reported.

A dash (-) indicates that there were no births to unmarried women in this age group.

An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	20,131	0.6%	11.0%	19.0%	37.8%	17.6%	8.6%	4.4%	1.0%
Adams	61	-	9.8	21.3	39.3	16.4	8.2	3.3	n/s
Ashland	64	-	7.8	25.0	37.5	10.9	14.1	4.7	-
Barron	143	-	9.1	23.1	41.3	11.2	8.4	4.9	2.1
Bayfield	44	-	11.4	25.0	34.1	15.9	9.1	-	4.5
Brown	815	1.0	9.8	18.7	39.3	16.0	9.2	4.7	1.5
Buffalo	37	-	n/s	8.1	51.4	24.3	2.7	2.7	-
Burnett	48	-	14.6	22.9	43.8	12.5	4.2	2.1	-
Calumet	78	-	9.0	23.1	37.2	15.4	7.7	7.7	-
Chippewa	187	n/s	9.6	25.7	35.8	15.0	7.0	5.3	1.1
Clark	91	-	15.4	16.5	41.8	17.6	5.5	3.3	-
Columbia	134	n/s	8.2	14.2	38.1	23.1	11.2	4.5	-
Crawford	53	-	9.4	26.4	41.5	15.1	3.8	3.8	-
Dane	1,182	n/s	8.5	15.7	37.0	18.6	11.3	7.4	1.4
Dodge	224	-	11.2	27.2	32.6	17.0	5.8	5.4	0.9
Door	55	-	n/s	23.6	41.8	18.2	7.3	3.6	-
Douglas	157	-	9.6	22.3	33.1	20.4	8.9	4.5	1.3
Dunn	95	-	9.5	18.9	42.1	17.9	5.3	2.1	4.2
Eau Claire	259	-	5.8	20.8	41.3	19.3	8.9	3.5	0.4
Florence	1	-	-	-	100.0	-	-	-	-
Fond du Lac	313	n/s	11.2	22.0	33.5	20.1	8.9	2.9	1.0
Forest	39	-	n/s	30.8	28.2	23.1	2.6	5.1	-
Grant	118	-	7.6	20.3	39.8	18.6	10.2	2.5	0.8
Green	88	-	18.2	19.3	33.0	15.9	9.1	4.5	-
Green Lake	33	-	n/s	18.2	45.5	9.1	12.1	3.0	-
Iowa	48	-	8.3	27.1	31.3	16.7	10.4	6.3	-
Iron	4	-	-	n/s	75.0	-	-	-	-
Jackson	70	n/s	12.9	22.9	32.9	21.4	5.7	1.4	-
Jefferson	217	-	10.6	19.8	40.1	18.4	7.8	2.3	0.9
Juneau	103	-	5.8	23.3	45.6	10.7	9.7	2.9	1.9
Kenosha	740	1.1	11.4	18.2	37.0	18.6	8.2	4.3	1.1
Kewaunee	33	-	18.2	18.2	45.5	15.2	3.0	-	-
La Crosse	306	-	12.1	16.7	39.5	16.7	8.5	4.6	2.0
Lafayette	43	-	16.3	11.6	27.9	23.3	7.0	14.0	-
Langlade	86	-	18.6	18.6	44.2	11.6	3.5	2.3	n/s
Lincoln	83	-	10.8	24.1	33.7	13.3	13.3	2.4	2.4
Manitowoc	235	n/s	12.8	17.0	34.5	18.3	8.9	6.8	1.3
Marathon	317	n/s	6.3	22.4	38.2	17.4	9.8	4.1	1.6
Marinette	96	-	11.5	17.7	44.8	13.5	9.4	2.1	1.0
Marquette	39	-	n/s	33.3	28.2	17.9	5.1	2.6	2.6
Menominee	80	-	8.8	18.8	38.8	20.0	8.8	n/s	n/s
Milwaukee	7,328	0.9	12.1	18.0	38.1	17.4	8.4	4.1	1.0
Monroe	144	-	11.1	22.2	39.6	16.7	5.6	4.2	0.7

(Continued)

Table 12b. Percent of Births to Unmarried Mothers by Age and County of Residence, Wisconsin 1999

County	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Oconto	113	-	11.5	21.2	34.5	19.5	8.8	4.4	-
Oneida	82	-	8.5	11.0	42.7	23.2	7.3	6.1	1.2
Outagamie	434	n/s	10.4	18.4	41.0	16.8	7.6	4.8	0.7
Ozaukee	103	n/s	10.7	14.6	37.9	20.4	9.7	5.8	-
Pepin	16	-	n/s	25.0	43.8	-	12.5	12.5	-
Pierce	76	n/s	n/s	25.0	39.5	19.7	7.9	2.6	1.3
Polk	118	-	7.6	21.2	29.7	25.4	11.0	5.1	-
Portage	168	n/s	10.1	26.8	35.7	15.5	3.0	6.5	1.2
Price	26	-	23.1	19.2	34.6	15.4	-	7.7	-
Racine	910	0.6	12.9	19.6	39.2	15.3	8.0	3.7	0.8
Richland	44	-	n/s	25.0	20.5	36.4	6.8	4.5	-
Rock	712	0.7	10.8	20.4	36.5	17.4	8.6	4.6	1.0
Rusk	49	-	14.3	28.6	22.4	26.5	8.2	-	-
St. Croix	155	-	8.4	17.4	32.3	21.9	11.0	5.8	0.6
Sauk	166	-	10.8	18.1	32.5	23.5	9.6	3.6	1.8
Sawyer	64	-	14.1	23.4	40.6	14.1	4.7	1.6	n/s
Shawano	124	-	8.1	20.2	39.5	15.3	14.5	0.8	1.6
Sheboygan	319	-	11.6	20.1	36.4	17.6	8.8	5.0	0.6
Taylor	50	-	6.0	16.0	46.0	20.0	10.0	2.0	-
Trempealeau	85	-	8.2	17.6	30.6	24.7	15.3	3.5	-
Vernon	68	-	10.3	23.5	38.2	16.2	4.4	7.4	-
Vilas	48	-	14.6	8.3	39.6	18.8	12.5	6.3	-
Walworth	262	n/s	13.7	19.5	35.9	17.9	7.6	4.2	0.4
Washburn	41	-	17.1	12.2	41.5	17.1	9.8	2.4	-
Washington	268	n/s	9.3	18.3	39.6	14.6	10.4	6.3	1.1
Waukesha	515	-	8.3	19.0	36.5	21.0	7.4	5.6	2.1
Waupaca	142	-	9.2	19.0	47.9	13.4	7.7	1.4	1.4
Waushara	64	-	14.1	25.0	29.7	15.6	12.5	3.1	-
Winnebago	392	n/s	11.5	20.4	36.2	17.9	8.2	5.1	0.3
Wood	226	n/s	9.7	19.0	41.2	16.4	8.0	4.4	0.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 5 births for which age of mother was not reported.

A dash (-) indicates that there were no births to unmarried women in this age group.

An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 13a. Births to Unmarried Mothers by Age and Region, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	20,131	115	2,215	3,829	7,613	3,536	1,724	891	203
DHFS Regions									
Southern	2,976	9	287	562	1,080	551	286	169	32
Southeastern	10,343	85	1,229	1,885	3,937	1,806	864	433	103
Northeastern	3,365	13	359	665	1,284	571	297	145	31
Western	2,145	n/s	210	441	806	395	175	89	21
Northern	1,302	n/s	130	276	506	213	102	55	16
Perinatal Regions									
South Central	3,402	11	341	642	1,239	630	321	183	35
Southeast	10,183	83	1,207	1,855	3,872	1,775	855	433	102
Fox Valley	1,495	n/s	162	309	567	257	124	62	10
Northeast	1,551	9	160	292	601	258	145	67	19
Western	1,812	n/s	165	375	689	329	148	79	19
North Central	1,266	n/s	132	262	487	219	95	54	13
Northwest	422	-	48	94	158	68	36	13	5

Table 13b. Percent of Births to Unmarried Mothers by Age and Region, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
Total	20,131	0.6%	11.0%	19.0%	37.8%	17.6%	8.6%	4.4%	1.0%
DHFS Regions									
Southern	2,976	0.3	9.6	18.9	36.3	18.5	9.6	5.7	1.1
Southeastern	10,343	0.8	11.9	18.2	38.1	17.5	8.4	4.2	1.0
Northeastern	3,365	0.4	10.7	19.8	38.2	17.0	8.8	4.3	0.9
Western	2,145	n/s	9.8	20.6	37.6	18.4	8.2	4.1	1.0
Northern	1,302	n/s	10.0	21.2	38.9	16.4	7.8	4.2	1.2
Perinatal Regions									
South Central	3,402	0.3	10.0	18.9	36.4	18.5	9.4	5.4	1.0
Southeast	10,183	0.8	11.9	18.2	38.0	17.4	8.4	4.3	1.0
Fox Valley	1,495	n/s	10.8	20.7	37.9	17.2	8.3	4.1	0.7
Northeast	1,551	0.6	10.3	18.8	38.7	16.6	9.3	4.3	1.2
Western	1,812	n/s	9.1	20.7	38.0	18.2	8.2	4.4	1.0
North Central	1,266	n/s	10.4	20.7	38.5	17.3	7.5	4.3	1.0
Northwest	422	-	11.4	22.3	37.4	16.1	8.5	3.1	1.2

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 5 births for which age of mother was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97). An n/s indicates that births to unmarried women are not shown, and at least one but fewer than five *total* births (to married and unmarried mothers) occurred in the age group (see Table 6a).

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 1999

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1999	1998	1997
Total	68,181	57,203	8,630	1,686	536	83.9%	84.1%	84.4%
Adams	179	134	37	6	1	74.9	77.8	80.9
Ashland	195	155	35	4	1	79.5	80.3	79.7
Barron	506	437	51	16	2	86.4	83.4	78.4
Bayfield	150	116	25	5	3	77.3	87.1	89.1
Brown	3,098	2,678	322	76	17	86.4	87.3	87.6
Buffalo	159	132	22	3	1	83.0	82.5	80.4
Burnett	146	123	22	1	-	84.2	72.5	73.7
Calumet	504	453	49	2	-	89.9	89.2	88.1
Chippewa	684	596	76	6	2	87.1	87.5	83.2
Clark	493	317	139	25	11	64.3	68.7	65.1
Columbia	623	542	69	10	1	87.0	85.2	83.6
Crawford	202	142	48	5	6	70.3	75.7	78.6
Dane	5,189	4,567	530	64	24	88.0	88.4	89.4
Dodge	986	846	115	24	1	85.8	88.1	89.4
Door	265	235	28	-	2	88.7	87.0	85.3
Douglas	468	402	52	7	2	85.9	87.2	86.4
Dunn	441	354	70	13	-	80.3	80.9	81.1
Eau Claire	1,084	915	131	29	7	84.4	81.1	80.5
Florence	49	42	6	-	-	85.7	93.9	76.3
Fond du Lac	1,202	1,055	120	18	9	87.8	86.5	86.0
Forest	114	92	19	3	-	80.7	74.2	73.5
Grant	476	385	73	14	3	80.9	81.2	79.7
Green	392	345	33	8	5	88.0	86.0	89.5
Green Lake	214	167	28	18	1	78.0	74.1	76.4
Iowa	297	261	31	5	-	87.9	86.2	88.0
Iron	20	18	1	-	1	90.0	97.4	90.5
Jackson	198	145	43	6	2	73.2	76.3	80.1
Jefferson	939	776	137	24	1	82.6	85.2	86.1
Juneau	282	198	69	13	2	70.2	76.5	77.5
Kenosha	2,162	1,768	296	50	39	81.8	82.3	82.4
Kewaunee	240	220	14	4	2	91.7	91.8	86.4
La Crosse	1,238	1,054	158	21	5	85.1	84.9	87.8
Lafayette	169	141	21	5	2	83.4	80.0	81.1
Langlade	236	183	44	8	1	77.5	79.9	85.2
Lincoln	342	294	41	5	-	86.0	86.2	84.8
Manitowoc	918	821	81	12	4	89.4	88.6	89.7
Marathon	1,484	1,164	268	44	6	78.4	79.6	80.2
Marinette	398	333	54	3	6	83.7	85.8	84.7
Marquette	176	143	27	6	-	81.3	77.8	71.8
Menominee	97	70	19	5	2	72.2	60.7	60.0
Milwaukee	14,832	11,826	2,298	486	214	79.7	80.6	81.4
Monroe	510	375	72	36	27	73.5	72.7	75.1

(Continued)

Table 14. Births by Trimester Prenatal Care Began and County of Residence, Wisconsin 1999

County	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1999	1998	1997
Oconto	379	323	43	10	2	85.2	85.8	86.7
Oneida	313	275	31	5	1	87.9	82.8	87.6
Outagamie	2,191	1,850	289	47	5	84.4	85.2	85.5
Ozaukee	871	810	51	7	3	93.0	93.8	94.7
Pepin	98	65	13	16	1	66.3	61.7	65.5
Pierce	379	305	53	10	2	80.5	84.6	85.5
Polk	471	381	70	9	2	80.9	74.4	81.7
Portage	789	643	120	23	3	81.5	80.8	75.4
Price	141	117	21	2	-	83.0	84.1	80.7
Racine	2,534	2,100	288	108	33	82.9	78.5	78.8
Richland	193	147	33	11	2	76.2	70.4	82.8
Rock	2,013	1,700	244	52	13	84.5	86.0	84.6
Rusk	176	132	35	7	1	75.0	80.4	71.6
St. Croix	886	774	87	10	2	87.4	85.7	84.6
Sauk	671	562	80	24	4	83.8	81.0	83.8
Sawyer	161	130	26	4	-	80.7	70.8	77.7
Shawano	480	391	76	13	-	81.5	81.8	82.2
Sheboygan	1,380	1,188	167	19	6	86.1	86.6	89.5
Taylor	229	182	39	7	1	79.5	80.0	82.3
Trempealeau	296	235	47	11	-	79.4	85.8	84.5
Vernon	374	252	69	43	6	67.4	70.1	64.8
Vilas	170	145	14	6	3	85.3	85.7	80.7
Walworth	1,107	888	181	29	7	80.2	79.3	81.3
Washburn	155	123	26	4	1	79.4	79.7	81.9
Washington	1,566	1,430	102	30	4	91.3	92.6	92.1
Waukesha	4,284	4,091	162	24	4	95.5	95.2	94.5
Waupaca	599	497	74	18	8	83.0	86.4	85.5
Waushara	217	168	42	7	-	77.4	72.1	78.4
Winnebago	1,798	1,566	195	31	6	87.1	87.2	87.2
Wood	903	713	178	9	3	79.0	83.0	81.7

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 126 births for which prenatal care initiation was not reported. A dash (-) indicates that there were no births in that category.

Table 15. Births by Trimester Prenatal Care Began and Region, Wisconsin 1999

	Total	Trimester Prenatal Care Began				Percent That Received First-Trimester Care		
		First	Second	Third	No Care	1999	1998	1997
Total	68,181	57,203	8,630	1,686	536	83.9%	84.1%	84.4%
DHFS Regions								
Southern	11,672	9,970	1,383	241	64	85.4	85.8	86.6
Southeastern	28,295	23,689	3,515	758	305	83.7	83.9	84.4
Northeastern	14,156	12,158	1,628	289	70	85.9	86.0	86.3
Western	8,762	7,117	1,236	273	74	81.2	80.8	80.7
Northern	5,296	4,269	868	125	23	80.6	81.4	80.9
Perinatal Regions								
South Central	13,516	11,492	1,653	289	66	85.0	85.4	86.3
Southeast	27,629	23,213	3,364	724	303	84.0	84.1	84.7
Fox Valley	6,901	5,899	824	147	29	85.5	85.4	85.3
Northeast	5,875	5,071	637	123	35	86.3	86.6	86.7
Western	7,526	6,162	1,010	234	65	81.9	81.3	81.6
North Central	5,439	4,299	955	144	30	79.0	80.2	79.5
Northwest	1,295	1,067	187	25	8	82.4	82.1	83.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 126 births for which prenatal care initiation was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97).

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 1999

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	68,181	536	1,907	12,266	29,005	24,280	21.6%
Adams	179	1	3	42	97	35	25.7
Ashland	195	1	6	52	76	60	30.3
Barron	506	2	16	72	240	174	17.8
Bayfield	150	3	5	33	63	45	27.3
Brown	3,098	17	65	463	1,150	1,398	17.6
Buffalo	159	1	7	31	68	51	24.5
Burnett	146	-	3	34	74	33	25.3
Calumet	504	-	4	119	238	143	24.4
Chippewa	684	2	12	220	277	166	34.2
Clark	493	11	42	158	175	107	42.8
Columbia	623	1	9	131	318	164	22.6
Crawford	202	6	7	68	78	42	40.1
Dane	5,189	24	69	1,038	2,597	1,455	21.8
Dodge	986	1	19	125	486	353	14.7
Door	265	2	1	41	107	114	16.6
Douglas	468	2	14	108	250	86	26.5
Dunn	441	-	14	112	202	108	28.6
Eau Claire	1,084	7	36	138	430	469	16.7
Florence	49	-	-	6	16	26	12.2
Fond du Lac	1,202	9	18	178	666	330	17.1
Forest	114	-	1	25	52	36	22.8
Grant	476	3	19	119	217	114	29.6
Green	392	5	4	58	147	178	17.1
Green Lake	214	1	11	40	83	79	24.3
Iowa	297	-	2	48	165	82	16.8
Iron	20	1	-	1	6	12	10.0
Jackson	198	2	10	44	67	72	28.3
Jefferson	939	1	9	146	445	336	16.6
Juneau	282	2	15	92	119	54	38.7
Kenosha	2,162	39	68	356	917	763	21.4
Kewaunee	240	2	4	30	84	120	15.0
La Crosse	1,238	5	22	289	461	461	25.5
Lafayette	169	2	3	39	62	63	26.0
Langlade	236	1	5	43	135	52	20.8
Lincoln	342	-	8	51	149	134	17.3
Manitowoc	918	4	8	83	363	457	10.3
Marathon	1,484	6	51	509	651	265	38.1
Marinette	398	6	4	44	119	223	13.6
Marquette	176	-	10	39	71	56	27.8
Menominee	97	2	9	38	32	15	50.5
Milwaukee	14,832	214	670	2,748	5,689	5,497	24.5
Monroe	510	27	46	83	170	183	30.6

(Continued)

Table 16. Births by Number of Prenatal Care Visits and County of Residence, Wisconsin 1999

County	Total	Number of Prenatal Care Visits					Percent of Births With <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Oconto	379	2	8	62	130	176	19.0
Oneida	313	1	5	41	123	142	15.0
Outagamie	2,191	5	54	547	1,034	551	27.7
Ozaukee	871	3	8	91	417	350	11.7
Pepin	98	1	20	13	37	24	34.7
Pierce	379	2	9	93	160	107	27.4
Polk	471	2	11	89	193	169	21.7
Portage	789	3	15	145	361	264	20.7
Price	141	-	1	28	76	36	20.6
Racine	2,534	33	73	369	1,032	1,010	18.7
Richland	193	2	14	45	66	66	31.6
Rock	2,013	13	50	398	1,006	540	22.9
Rusk	176	1	8	52	68	47	34.7
St. Croix	886	2	7	209	400	252	24.6
Sauk	671	4	20	125	306	213	22.2
Sawyer	161	-	9	56	57	38	40.4
Shawano	480	-	10	118	203	149	26.7
Sheboygan	1,380	6	21	169	626	558	14.2
Taylor	229	1	8	55	78	87	27.9
Trempealeau	296	-	10	63	115	106	24.7
Vernon	374	6	75	78	105	109	42.5
Vilas	170	3	3	24	66	72	17.6
Walworth	1,107	7	33	224	503	338	23.8
Washburn	155	1	12	28	72	41	26.5
Washington	1,566	4	8	131	562	861	9.1
Waukesha	4,284	4	23	205	1,754	2,284	5.4
Waupaca	599	8	12	153	291	134	28.9
Waushara	217	-	5	54	78	80	27.2
Winnebago	1,798	6	32	314	808	638	19.6
Wood	903	3	14	193	466	227	23.3

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 187 births for which number of prenatal care visits was not reported.
A dash (-) indicates that there were no births in that category.

Table 17. Births by Number of Prenatal Care Visits and Region, Wisconsin 1999

	Total	Number of Prenatal Care Visits					Percent of Births with <10 Visits
		No Visits	1-4	5-9	10-12	13+	
Total	68,181	536	1,907	12,266	29,005	24,280	21.6
DHFS Regions							
Southern	11,672	64	234	2,328	5,664	3,359	22.5
Southeastern	28,295	305	892	4,270	11,319	11,439	19.3
Northeastern	14,156	70	276	2,492	6,083	5,221	20.0
Western	8,762	74	374	1,914	3,564	2,765	27.0
Northern	5,296	23	131	1,262	2,375	1,496	26.7
Perinatal Regions							
South Central	13,516	66	269	2,630	6,534	3,991	21.9
Southeast	27,629	303	871	4,069	10,997	11,323	19.0
Fox Valley	6,901	29	146	1,444	3,269	2,011	23.5
Northeast	5,875	35	109	879	2,188	2,652	17.4
Western	7,526	65	302	1,602	3,003	2,493	26.2
North Central	5,439	30	161	1,330	2,416	1,495	28.0
Northwest	1,295	8	49	312	598	315	28.5

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 187 births for which number of prenatal care visits was not reported. For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes (pages 96 and 97).

Table 18. Births by Birthweight and County of Residence, Wisconsin 1999

County	Total	<1,500	1,500-2,499	2,500+	Total	Percent	
	Births	Grams	Grams	Grams	<2,500 Grams	Low Birthweight 1999	Low Birthweight 1998
Total	68.181	870	3.682	63.623	4.552	6.7%	6.5%
Adams	179	1	14	164	15	8.4	8.4
Ashland	195	4	8	183	12	6.2	5.3
Barron	506	3	19	484	22	4.3	5.5
Bayfield	150	1	8	141	9	6.0	11.5
Brown	3,098	34	152	2,912	186	6.0	6.6
Buffalo	159	4	8	146	12	7.5	3.5
Burnett	146	2	3	141	5	3.4	6.0
Calumet	504	6	27	471	33	6.5	5.8
Chippewa	684	4	42	638	46	6.7	5.5
Clark	493	1	17	475	18	3.7	4.5
Columbia	623	11	33	579	44	7.1	6.6
Crawford	202	1	10	191	11	5.4	7.3
Dane	5,189	59	259	4,871	318	6.1	6.6
Dodge	986	4	37	945	41	4.2	6.8
Door	265	-	15	250	15	5.7	6.3
Douglas	468	9	32	427	41	8.8	6.3
Dunn	441	7	15	419	22	5.0	6.8
Eau Claire	1,084	10	47	1,027	57	5.3	5.0
Florence	49	-	-	49	-	-	3.0
Fond du Lac	1,202	20	72	1,110	92	7.7	6.3
Forest	114	1	8	105	9	7.9	4.3
Grant	476	7	25	444	32	6.7	4.4
Green	392	5	34	353	39	9.9	4.0
Green Lake	214	1	16	197	17	7.9	7.0
Iowa	297	2	13	282	15	5.1	6.2
Iron	20	-	1	19	1	5.0	10.5
Jackson	198	3	8	187	11	5.6	5.1
Jefferson	939	5	44	890	49	5.2	5.4
Juneau	282	1	19	262	20	7.1	5.1
Kenosha	2,162	41	108	2,013	149	6.9	6.3
Kewaunee	240	-	9	231	9	3.8	3.6
La Crosse	1,238	20	43	1,175	63	5.1	5.8
Lafayette	169	-	5	164	5	3.0	2.3
Langlade	236	3	13	220	16	6.8	3.5
Lincoln	342	4	10	328	14	4.1	5.9
Manitowoc	918	8	39	871	47	5.1	6.0
Marathon	1,484	9	61	1,413	70	4.7	4.8
Marinette	398	1	12	385	13	3.3	6.1
Marquette	176	2	7	167	9	5.1	2.4
Menominee	97	-	5	92	5	5.2	10.1
Milwaukee	14,832	268	1,069	13,495	1,337	9.0	8.8
Monroe	510	6	27	477	33	6.5	6.0

(Continued)

Table 18. Births by Birthweight and County of Residence, Wisconsin 1999

County	Total Births	<1,500 Grams	1,500-2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						1999	1998
Oconto	379	1	19	359	20	5.3	5.4
Oneida	313	4	17	292	21	6.7	4.5
Outagamie	2,191	26	86	2,079	112	5.1	5.9
Ozaukee	871	20	26	825	46	5.3	6.5
Pepin	98	-	6	92	6	6.1	2.5
Pierce	379	7	24	348	31	8.2	5.5
Polk	471	2	29	440	31	6.6	7.8
Portage	789	9	34	746	43	5.5	5.4
Price	141	-	10	131	10	7.1	6.4
Racine	2,534	34	145	2,354	179	7.1	7.8
Richland	193	-	5	188	5	2.6	4.0
Rock	2,013	29	115	1,868	144	7.2	6.7
Rusk	176	1	7	168	8	4.5	5.7
St. Croix	886	4	45	836	49	5.5	6.6
Sauk	671	14	34	623	48	7.2	4.2
Sawyer	161	5	11	145	16	9.9	4.5
Shawano	480	2	20	458	22	4.6	7.7
Sheboygan	1,380	23	56	1,301	79	5.7	4.2
Taylor	229	1	9	219	10	4.4	6.2
Trempealeau	296	1	20	274	21	7.1	7.1
Vernon	374	1	14	359	15	4.0	4.1
Vilas	170	1	7	162	8	4.7	4.6
Walworth	1,107	17	56	1,034	73	6.6	5.7
Washburn	155	2	10	143	12	7.7	4.7
Washington	1,566	15	77	1,474	92	5.9	4.2
Waukesha	4,284	44	229	4,011	273	6.4	5.5
Waupaca	599	5	31	563	36	6.0	5.9
Waushara	217	3	9	205	12	5.5	7.1
Winnebago	1,798	21	85	1,692	106	5.9	6.1
Wood	903	10	52	841	62	6.9	5.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 6 births for which birthweight was not reported. Infants weighing less than 2,500 grams (5.5 pounds) at birth are considered low birthweight. Infants weighing less than 1,500 grams (3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no births in that category.

Table 19. Births by Birthweight and Region, Wisconsin 1999

	Total Births	<1,500 Grams	1,500- 2,499 Grams	2,500+ Grams	Total <2,500 Grams	Percent Low Birthweight	
						1999	1998
Total	68,181	870	3,682	63,623	4,552	6.7%	6.5%
DHFS Regions							
Southern	11,672	134	603	10,934	737	6.3	6.2
Southeastern	28,295	444	1,754	26,096	2,198	7.8	7.5
Northeastern	14,156	153	660	13,343	813	5.7	6.0
Western	8,762	87	416	8,256	503	5.7	5.7
Northern	5,296	52	249	4,994	301	5.7	5.3
Perinatal Regions							
South Central	13,516	155	693	12,667	848	6.3	6.1
Southeast	27,629	445	1,710	25,473	2,155	7.8	7.4
Fox Valley	6,901	84	333	6,484	417	6.0	6.0
Northeast	5,875	46	271	5,558	317	5.4	6.4
Western	7,526	73	357	7,093	430	5.7	5.8
North Central	5,439	44	245	5,149	289	5.3	5.0
Northwest	1,295	23	73	1,199	96	7.4	6.4

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 6 births for which birthweight was not reported. Infants weighing less than 2,500 grams or 5.5 pounds at birth are considered low birthweight. Infants weighing less than 1,500 grams or 3.3 pounds at birth are considered very low birthweight.
For maps of the Department of Health and Family Services (DHFS) and Perinatal Regions, see Technical Notes, pages 96 and 97.

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 1999

County	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	353	294	162	456
Adams	1	-	-	-
Ashland	1	1	-	1
Barron	3	1	-	1
Bayfield	-	-	-	-
Brown	14	16	10	26
Buffalo	-	3	-	3
Burnett	-	1	-	1
Calumet	1	2	1	3
Chippewa	3	1	2	3
Clark	1	-	-	-
Columbia	5	6	1	7
Crawford	2	-	-	-
Dane	32	22	21	43
Dodge	7	1	1	2
Door	-	-	-	-
Douglas	-	-	1	1
Dunn	1	1	-	1
Eau Claire	6	2	1	3
Florence	-	-	-	-
Fond du Lac	5	6	2	8
Forest	-	-	-	-
Grant	4	1	3	4
Green	1	-	1	1
Green Lake	1	-	-	-
Iowa	1	1	1	2
Iron	-	-	-	-
Jackson	5	1	-	1
Jefferson	3	3	-	3
Juneau	-	3	1	4
Kenosha	2	8	7	15
Kewaunee	-	-	-	-
La Crosse	7	9	2	11
Lafayette	-	3	1	4
Langlade	-	-	1	1
Lincoln	1	1	2	3
Manitowoc	4	3	5	8

(Continued)

Table 20. Fetal, Neonatal, Postneonatal and Infant Deaths by County of Residence, Wisconsin 1999

County	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Marathon	6	7	3	10
Marinette	2	-	1	1
Marquette	-	1	-	1
Menominee	1	-	-	-
Milwaukee	80	90	46	136
Monroe	4	2	1	3
Oconto	1	1	1	2
Oneida	3	-	2	2
Outagamie	19	8	4	12
Ozaukee	3	3	1	4
Pepin	-	-	-	-
Pierce	2	2	2	4
Polk	-	2	1	3
Portage	3	1	1	2
Price	-	-	-	-
Racine	17	7	6	13
Richland	1	-	-	-
Rock	15	8	5	13
Rusk	-	-	-	-
St. Croix	2	8	4	12
Sauk	4	4	1	5
Sawyer	-	1	-	1
Shawano	5	1	1	2
Sheboygan	8	10	4	14
Taylor	2	-	-	-
Trempealeau	4	1	-	1
Vernon	2	-	2	2
Vilas	1	2	-	2
Walworth	6	4	1	5
Washburn	1	1	-	1
Washington	6	3	-	3
Waukesha	18	18	3	21
Waupaca	4	2	3	5
Waushara	2	1	-	1
Winnebago	14	6	5	11
Wood	6	4	-	4
Unknown	-	-	-	-

Source: Fetal death and matched birth-death files, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: A dash (-) indicates that there were no events in that category.

Table 21a. Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 1999

	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	353	294	162	456
DHFS Region				
Southern	73	49	36	85
Southeastern	135	136	64	200
Northeastern	81	57	37	94
Western	41	35	16	51
Northern	23	17	9	26
Perinatal Regions				
South Central	80	56	37	93
Southeast	134	139	67	206
Fox Valley	46	26	15	41
Northeast	27	21	18	39
Western	41	33	15	48
North Central	23	15	9	24
Northwest	2	4	1	5

Table 21b. Rates of Fetal, Neonatal, Postneonatal and Infant Deaths by Region, Wisconsin 1999

	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Total	5.2	4.3	2.4	6.7
DHFS Region				
Southern	6.2	4.2	3.1	7.3
Southeastern	4.7	4.8	2.3	7.1
Northeastern	5.7	4.0	2.6	6.6
Western	4.7	4.0	-	5.8
Northern	4.3	-	-	4.9
Perinatal Regions				
South Central	5.9	4.1	2.7	6.9
Southeast	4.8	5.0	2.4	7.5
Fox Valley	6.6	3.8	-	5.9
Northeast	4.6	3.6	-	6.6
Western	5.4	4.4	-	6.4
North Central	4.2	-	-	4.4
Northwest	-	-	-	-

Source: Fetal death and matched birth-death files, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: The fetal death rate is based on the number of fetal deaths per 1,000 live births and reported fetal deaths.
The neonatal death rate is based on the number of neonatal deaths per 1,000 live births.
The infant death rate is based on the number of infant deaths per 1,000 live births.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Table 22. Fetal, Neonatal, Postneonatal and Infant Deaths by Selected Places, Wisconsin 1999

City of Residence	Fetal Deaths (Gestation >20 weeks)	Neonatal Deaths (Age <28 days)	+ Postneonatal Deaths (Age 28 days to 1 year)	= Infant Deaths (Age < 1 year)
Appleton	8	4	4	8
Beloit	5	2	1	3
Brookfield	2	3	-	3
Caledonia (T)	-	-	-	-
Eau Claire	2	1	1	2
Fond du Lac	2	2	2	4
Franklin	1	1	2	3
Green Bay	9	11	8	19
Greenfield	1	1	-	1
Janesville	8	4	1	5
Kenosha	2	6	6	12
La Crosse	6	7	2	9
Madison	17	12	14	26
Manitowoc	1	1	3	4
Menomonee Falls (V)	-	1	-	1
Mequon/Thiensville	2	-	-	-
Milwaukee	65	79	39	118
Mount Pleasant (T)	-	-	-	-
Muskego	2	-	-	-
Neenah/Menasha	6	4	-	4
New Berlin	-	1	1	2
Oak Creek	1	-	1	1
Oshkosh	5	1	5	6
Racine	14	5	5	10
Sheboygan	6	6	4	10
South Milwaukee	-	1	1	2
Stevens Point	2	1	1	2
Superior	-	-	1	1
Watertown	-	1	-	1
Waukesha	4	3	-	3
Wausau	1	3	-	3
Wauwatosa	2	2	1	3
West Allis	2	4	-	4
West Bend	2	2	-	2

Source: Fetal death and matched birth-death files, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: A dash (-) indicates that there were no events in that category.

This table includes cities, townships (T) and villages (V) with population of 20,000 or more according to 1999 population estimates from the Demographic Services Center, Wisconsin Department of Administration.
Combined areas include: Mequon (C) with Thiensville (V); and Neenah (C) with Menasha (C).

Table 23. Number of Births by County of Residence, Wisconsin 1980-1999

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	74,763	74,309	74,327	72,499	73,050	73,647	72,229	70,907	70,711	71,890
Adams	179	177	175	164	182	170	170	164	173	144
Ashland	279	302	282	295	256	248	274	220	256	249
Barron	654	693	745	679	672	628	578	567	571	557
Bayfield	219	212	209	230	200	193	187	174	174	153
Brown	2,802	2,824	2,833	2,856	2,821	2,917	2,829	2,910	2,847	2,968
Buffalo	236	197	239	229	184	227	213	220	165	175
Burnett	167	203	179	194	162	160	157	152	142	164
Calumet	546	519	556	551	550	514	567	546	536	538
Chippewa	903	924	854	920	851	867	822	709	715	738
Clark	641	581	587	576	533	514	468	488	518	434
Columbia	667	668	682	655	624	650	657	608	579	585
Crawford	293	284	296	276	272	239	251	250	241	203
Dane	4,685	4,638	4,684	4,657	4,902	4,984	5,067	5,124	5,070	5,136
Dodge	1,186	1,173	1,187	1,108	1,115	1,146	1,115	1,055	1,020	1,029
Door	412	397	406	379	345	400	368	376	317	320
Douglas	702	713	676	645	580	590	549	547	532	517
Dunn	537	536	551	503	506	501	467	398	436	436
Eau Claire	1,117	1,265	1,255	1,185	1,203	1,201	1,111	1,178	1,237	1,238
Florence	55	64	66	54	50	63	51	45	57	26
Fond du Lac	1,512	1,406	1,409	1,333	1,382	1,368	1,316	1,247	1,248	1,162
Forest	140	161	147	156	144	156	136	152	136	114
Grant	867	814	812	805	785	743	753	713	626	635
Green	483	471	514	507	439	471	469	404	404	429
Green Lake	262	325	287	310	279	266	240	230	237	214
Iowa	345	342	340	366	335	319	346	305	306	302
Iron	84	72	86	64	63	76	63	68	66	55
Jackson	276	271	291	257	236	240	228	230	249	229
Jefferson	973	1,029	952	953	987	1,004	893	901	849	927
Juneau	347	355	331	343	327	339	301	323	279	278
Kenosha	1,826	1,815	1,789	1,839	1,796	1,910	1,787	1,931	1,909	2,077
Kewaunee	323	347	311	303	336	303	274	301	227	259
La Crosse	1,350	1,396	1,372	1,470	1,443	1,394	1,408	1,365	1,362	1,388
Lafayette	289	339	300	321	314	271	265	229	213	220
Langlade	287	313	271	334	276	259	299	249	280	242
Lincoln	406	460	383	384	405	363	323	349	315	372
Manitowoc	1,338	1,262	1,345	1,208	1,263	1,228	1,127	1,136	1,040	1,035

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-1999

County	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Marathon	1,930	1,806	1,804	1,728	1,730	1,812	1,650	1,644	1,620	1,685
Marinette	662	671	578	559	551	592	562	535	494	471
Marquette	167	163	183	148	184	158	175	169	141	149
Menominee	111	96	108	116	112	132	151	138	113	114
Milwaukee	15,842	15,806	16,063	15,631	15,887	16,296	16,254	16,035	16,358	17,009
Monroe	607	582	638	564	581	600	555	552	569	622
Oconto	469	435	461	415	458	451	453	413	433	410
Oneida	423	467	429	425	455	437	423	373	387	365
Outagamie	2,340	2,229	2,172	2,197	2,171	2,320	2,180	2,227	2,268	2,258
Ozaukee	992	963	932	935	943	960	954	955	947	973
Pepin	128	127	112	131	128	94	122	97	98	87
Pierce	507	527	532	484	494	492	498	434	452	436
Polk	506	561	560	520	596	506	488	506	466	441
Portage	928	891	896	851	956	876	903	818	850	804
Price	242	232	243	238	238	225	215	182	209	190
Racine	2,980	2,855	2,717	2,691	2,794	2,641	2,653	2,661	2,640	2,782
Richland	275	302	281	278	284	267	228	246	219	234
Rock	2,256	2,115	2,196	2,088	2,116	2,189	2,183	2,106	2,079	2,120
Rusk	222	251	259	256	258	216	234	203	202	229
St. Croix	835	773	762	788	815	741	805	824	740	817
Sauk	654	696	691	661	697	690	674	671	663	669
Sawyer	219	239	228	215	224	203	224	228	196	187
Shawano	528	543	550	536	530	488	499	507	531	501
Sheboygan	1,588	1,595	1,588	1,515	1,517	1,507	1,492	1,379	1,397	1,380
Taylor	379	339	370	345	340	354	294	280	309	292
Trempealeau	373	416	400	387	392	370	352	324	316	327
Vernon	408	440	408	376	409	409	406	328	344	356
Vilas	228	218	226	222	236	240	214	228	190	195
Walworth	1,026	971	1,053	915	896	1,009	951	914	995	891
Washburn	226	202	208	210	227	198	201	171	158	157
Washington	1,442	1,422	1,387	1,359	1,359	1,383	1,335	1,305	1,315	1,335
Waukesha	3,841	3,824	3,808	3,610	3,661	3,727	3,799	3,779	3,940	4,038
Waupaca	697	690	677	660	625	656	637	597	603	604
Waushara	243	236	267	294	241	247	266	259	231	234
Winnebago	1,901	1,867	1,945	1,887	1,961	2,028	1,964	1,894	1,901	1,909
Wood	1,199	1,211	1,192	1,155	1,166	1,211	1,106	1,061	1,005	1,070
Unknown	1	-	1	-	-	-	-	-	-	1

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-1999

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	72,636	72,039	70,662	69,760	68,267	67,493	67,076	66,490	67,379	68,181
Adams	175	162	189	163	162	167	184	157	167	179
Ashland	202	197	207	225	199	239	234	202	208	195
Barron	579	553	556	496	517	550	503	463	475	506
Bayfield	155	150	183	157	141	135	149	147	139	150
Brown	3,169	3,141	2,947	3,035	3,051	2,962	3,050	3,051	3,130	3,098
Buffalo	176	182	156	169	156	165	146	143	143	159
Burnett	143	149	154	142	135	171	147	133	149	146
Calumet	491	478	524	485	495	488	466	452	480	504
Chippewa	704	720	668	675	643	633	590	638	633	684
Clark	464	429	405	434	452	448	467	470	537	493
Columbia	610	605	584	640	610	607	616	633	620	623
Crawford	230	206	203	184	197	215	183	182	206	202
Dane	5,306	5,224	5,209	5,181	4,848	5,023	4,976	5,023	5,125	5,189
Dodge	985	995	938	1,013	936	947	976	926	944	986
Door	325	322	298	305	270	254	260	218	239	265
Douglas	540	599	532	525	527	493	532	507	509	468
Dunn	417	399	451	428	439	444	434	466	471	441
Eau Claire	1,208	1,188	1,134	1,163	1,133	1,118	1,079	1,105	1,058	1,084
Florence	-	62	66	45	48	36	48	38	33	49
Fond du Lac	1,270	1,224	1,215	1,107	1,128	1,119	1,138	1,118	1,141	1,202
Forest	132	134	136	138	125	137	92	117	93	114
Grant	661	606	595	555	544	561	497	526	505	476
Green	418	420	419	380	368	390	408	370	379	392
Green Lake	241	217	198	187	204	192	208	216	228	214
Iowa	318	289	292	279	254	296	260	259	290	297
Iron	68	65	55	64	66	63	57	63	38	20
Jackson	217	219	215	217	204	189	193	211	198	198
Jefferson	873	872	824	898	877	852	891	914	892	939
Juneau	277	307	305	277	296	308	264	271	277	282
Kenosha	2,043	2,234	2,167	2,039	2,026	2,040	2,008	2,027	2,077	2,162
Kewaunee	237	216	229	226	216	218	214	228	220	240
La Crosse	1,416	1,406	1,364	1,346	1,343	1,267	1,236	1,327	1,267	1,238
Lafayette	227	240	214	198	180	176	180	159	175	169
Langlade	232	244	263	266	219	228	214	229	199	236
Lincoln	343	332	358	343	356	320	338	329	304	342
Manitowoc	1,072	1,060	1,006	1,000	955	898	941	902	922	918

(Continued)

Table 23. Number of Births by County of Residence, Wisconsin 1980-1999

County	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Marathon	1,685	1,651	1,664	1,631	1,649	1,585	1,621	1,581	1,476	1,484
Marinette	431	508	428	492	467	454	424	424	445	398
Marquette	148	137	138	138	147	121	147	177	126	176
Menominee	128	128	115	118	76	92	91	95	89	97
Milwaukee	17,013	16,686	16,547	16,076	15,539	15,067	14,791	14,338	14,733	14,832
Monroe	591	569	564	537	514	529	557	511	549	510
Oconto	398	404	370	392	360	388	374	347	367	379
Oneida	371	355	387	361	382	352	326	347	332	313
Outagamie	2,273	2,273	2,212	2,134	2,166	2,056	2,101	2,176	2,172	2,191
Ozaukee	945	964	950	956	929	934	961	860	967	871
Pepin	90	100	83	80	76	83	75	87	81	98
Pierce	477	423	398	405	435	403	373	344	434	379
Polk	529	461	453	469	463	470	409	415	425	471
Portage	913	804	851	815	814	788	796	759	741	789
Price	185	206	178	181	157	184	154	150	157	141
Racine	2,697	2,771	2,617	2,690	2,561	2,512	2,592	2,564	2,633	2,534
Richland	219	213	201	200	208	196	187	192	199	193
Rock	2,166	2,155	2,121	2,149	2,021	1,963	1,969	1,990	2,040	2,013
Rusk	213	195	192	222	195	192	161	162	158	176
St. Croix	840	797	819	713	754	725	767	758	777	886
Sauk	670	648	620	678	662	670	676	697	711	671
Sawyer	176	178	200	176	199	196	188	175	154	161
Shawano	525	497	463	449	454	456	458	438	467	480
Sheboygan	1,401	1,369	1,343	1,351	1,389	1,336	1,333	1,348	1,323	1,380
Taylor	289	258	248	247	232	221	225	198	225	229
Trempealeau	369	356	367	333	348	315	326	328	337	296
Vernon	332	352	318	319	334	351	338	347	344	374
Vilas	201	208	205	201	152	205	167	171	175	170
Walworth	996	999	935	911	978	952	1,019	1,019	1,067	1,107
Washburn	159	141	167	162	155	168	148	144	148	155
Washington	1,349	1,421	1,396	1,405	1,393	1,440	1,456	1,415	1,469	1,566
Waukesha	4,046	4,058	4,026	3,963	4,122	4,120	4,138	4,156	4,124	4,284
Waupaca	667	640	661	630	599	619	617	573	596	599
Waushara	245	240	237	225	231	240	219	236	240	217
Winnebago	1,936	1,983	1,883	1,901	1,864	1,838	1,756	1,826	1,725	1,798
Wood	1,039	1,045	1,046	1,065	921	923	957	922	902	903
Unknown	-	-	-	-	1	-	-	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: In Wisconsin counties close to the Michigan border, births for 1990 are underreported to an unknown extent, since Michigan did not report Wisconsin resident births for that year. In particular, all 1990 births among Florence County residents occurred in Michigan. Numbers of births for 1996 reported here are slightly different from those published in the 1996 report because other states filed 74 duplicate records for Wisconsin residents. A dash (-) indicates there were no births in that category.

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-1999

Year		Crude Rate	Age of Mother					
			Total	<15	15-17	18-19	<20	20-24
1980	Number		74,763	93	2,741	6,379	9,213	25,321
	Rate	15.9	69.1		20.5	65.8	39.9	112.2
1981	Number		74,309	94	2,655	6,029	8,778	24,777
	Rate	15.7	68.1		21.0	64.6	39.9	108.2
1982	Number		74,327	91	2,452	5,659	8,202	24,477
	Rate	15.6	67.4		20.8	64.1	39.8	107.4
1983	Number		72,499	98	2,397	5,258	7,753	23,213
	Rate	15.3	65.3		21.0	60.4	38.6	103.2
1984	Number		73,050	98	2,305	4,973	7,376	22,544
	Rate	15.3	65.0		20.8	59.9	38.0	102.5
1985	Number		73,647	123	2,389	4,976	7,488	22,021
	Rate	15.4	64.2		21.7	62.4	39.4	101.9
1986	Number		72,229	121	2,340	4,679	7,140	20,342
	Rate	15.1	63.9		20.9	60.6	37.8	103.3
1987	Number		70,907	114	2,369	4,425	6,908	19,015
	Rate	14.7	63.7		21.6	58.0	37.1	103.9
1988	Number		70,711	133	2,322	4,486	6,941	18,018
	Rate	14.6	62.6		22.8	59.5	39.2	94.2
1989	Number		71,890	141	2,416	4,707	7,264	17,800
	Rate	14.8	63.8		25.4	62.5	42.6	96.8
1990	Number		72,636	148	2,337	4,925	7,410	17,477
	Rate	14.8	64.5		24.3	65.7	43.3	96.2
1991	Number		72,039	147	2,440	4,828	7,415	17,407
	Rate	14.6	63.4		24.9	71.1	44.7	94.9
1992	Number		70,662	159	2,427	4,622	7,208	16,597
	Rate	14.2	62.2		23.9	70.1	43.0	91.7
1993	Number		69,760	175	2,481	4,576	7,232	16,056
	Rate	13.8	61.4		23.8	67.7	42.0	90.9
1994	Number		68,267	161	2,497	4,379	7,037	15,331
	Rate	13.4	59.9		23.0	63.8	39.7	89.5
1995	Number		67,493	182	2,549	4,379	7,110	14,874
	Rate	13.2	58.9		22.5	62.7	38.8	88.7
1996	Number		67,076	143	2,507	4,453	7,103	14,331
	Rate	13.0	58.2		21.4	61.9	37.5	87.4
1997	Number		66,490	163	2,541	4,384	7,088	13,972
	Rate	12.7	57.6		21.1	58.5	36.3	84.8
1998	Number		67,379	111	2,366	4,570	7,047	14,632
	Rate	12.8	58.1		19.4	57.7	35.1	86.8
1999	Number		68,181	116	2,432	4,760	7,308	14,986
	Rate	12.9	58.8		20.2	57.4	36.0	86.9
(Continued)								

(Continued)

Table 24. Number and Rate of Births by Age of Mother, Wisconsin 1980-1999

Year		Age of Mother						Unknown
		25-29	30-34	35-39	40+	40-44	45+	
1980	Number	25,461	11,682	2,604	481	459	22	1
	Rate	127.5	67.3	19.0	4.1	4.0		
1981	Number	25,471	12,104	2,699	480	442	38	
	Rate	125.5	66.1	19.4	4.1	3.8		
1982	Number	25,357	12,760	3,065	465	440	25	1
	Rate	124.9	66.1	20.4	3.8	3.6		
1983	Number	24,787	12,974	3,285	485	462	23	2
	Rate	119.7	66.5	22.5	3.6	3.4		
1984	Number	25,446	13,715	3,462	504	471	33	3
	Rate	120.6	67.2	20.6	4.0	3.7		
1985	Number	25,693	14,170	3,769	505	473	32	1
	Rate	117.3	67.2	22.3	3.6	3.3		
1986	Number	25,718	14,374	4,121	534	499	35	
	Rate	120.2	70.5	23.0	3.6	3.4		
1987	Number	25,393	14,709	4,353	528	498	30	1
	Rate	119.8	72.8	24.1	3.5	3.3		
1988	Number	25,267	15,338	4,474	669	630	39	4
	Rate	116.6	73.9	24.1	4.4	4.2		
1989	Number	25,265	15,922	4,909	721	683	38	9
	Rate	118.8	75.2	25.8	4.5	4.3		
1990	Number	24,956	16,626	5,393	768	730	38	6
	Rate	123.7	78.7	27.8	4.6	4.4		
1991	Number	23,958	16,960	5,481	817	773	44	1
	Rate	123.1	79.5	27.5	4.5	4.3		
1992	Number	22,918	17,269	5,756	905	859	46	9
	Rate	121.5	81.1	28.3	5.0	4.7		
1993	Number	22,154	17,347	6,024	942	898	44	5
	Rate	121.0	82.4	29.1	5.1	4.8		
1994	Number	20,961	17,642	6,292	997	955	42	7
	Rate	117.9	84.6	29.6	5.2	4.9		
1995	Number	20,374	17,442	6,612	1,074	1,026	48	7
	Rate	115.4	85.4	30.7	5.4	5.2		
1996	Number	20,279	17,254	6,931	1,175	1,132	43	3
	Rate	115.0	86.6	31.6	5.7	5.5		
1997	Number	19,994	17,198	7,008	1,228	1,172	56	2
	Rate	115.5	89.0	32.0	5.9	5.9		
1998	Number	19,932	17,126	7,385	1,252	1,191	61	5
	Rate	117.7	90.5	33.8	5.9	5.6		
1999	Number	19,716	17,407	7,427	1,328	1,257	71	9
	Rate	119.8	93.8	34.3	6.1	5.8		

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Rates shown for ages <20 include births to mothers less than 15 years old, with population ages 15-19.

Rates shown for ages 40+ include births to mothers ages 45 or older, with population ages 40-44.

Table 25. Total Births and Births to Teenagers and Unmarried Mothers, Wisconsin 1980-1999

Year	Total Births		Ages Under 18		Ages 18-19		Mother Unmarried	
	Number	Rate*	Number	Percent**	Number	Percent**	Number	Percent**
1980	74,763	15.9	2,834	3.8	6,379	8.5	10,352	13.8
1981	74,309	15.7	2,749	3.7	6,029	8.1	10,622	14.3
1982	74,327	15.6	2,543	3.4	5,659	7.6	11,187	15.1
1983	72,499	15.3	2,495	3.4	5,258	7.3	11,501	15.9
1984	73,050	15.3	2,403	3.3	4,973	6.8	12,101	16.6
1985	73,647	15.4	2,512	3.4	4,976	6.8	13,346	18.1
1986	72,229	15.1	2,461	3.4	4,679	6.5	14,166	19.6
1987	70,907	14.7	2,483	3.5	4,425	6.2	14,686	20.7
1988	70,711	14.6	2,455	3.5	4,486	6.3	15,511	21.9
1989	71,890	14.8	2,557	3.6	4,707	6.5	16,790	23.4
1990	72,636	14.8	2,485	3.4	4,925	6.8	17,615	24.3
1991	72,039	14.6	2,587	3.6	4,828	6.7	18,226	25.3
1992	70,662	14.2	2,586	3.7	4,622	6.5	18,443	26.1
1993	69,760	13.8	2,656	3.8	4,576	6.6	18,878	27.1
1994	68,267	13.4	2,658	3.9	4,379	6.4	18,523	27.1
1995	67,493	13.2	2,731	4.0	4,379	6.5	18,420	27.3
1996	67,076	13.0	2,650	4.0	4,453	6.6	18,526	27.6
1997	66,490	12.7	2,704	4.1	4,384	6.6	18,884	28.4
1998	67,379	12.8	2,477	3.7	4,570	6.8	19,599	29.1
1999	68,181	12.9	2,548	3.7	4,760	7.0	20,131	29.5

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

* Crude birth rate, which is the number of live births per 1,000 estimated mid-year total population.

** Percentages are based on total live births.

Table 26. Births by Selected Birth Indicators, Wisconsin 1980-1999

Year	Birth Order 4 and Above		Prenatal Care During First Trimester		Birthweight Less Than 2,500 Grams		Premature (Gestation <37 Weeks)		Congenital Anomalies	
	Number	Percent*	Number	Percent*	Number	Percent*	Number	Percent*	Number	Rate**
1980	7,035	9.4	61,796	82.7	4,037	5.4	4,037	5.4	795	10.6
1981	7,054	9.5	61,582	82.9	3,925	5.3	3,925	5.3	926	12.5
1982	6,677	9.0	61,420	82.6	3,734	5.0	3,734	5.0	877	11.8
1983	6,904	9.5	60,240	83.1	3,943	5.4	4,629	6.4	983	13.6
1984	6,973	9.5	61,225	83.8	3,756	5.1	4,488	6.1	1,103	15.1
1985	7,206	9.8	60,859	82.6	3,889	5.3	4,720	6.4	1,006	13.7
1986	7,587	10.5	59,652	82.6	3,876	5.4	4,802	6.6	952	13.2
1987	7,387	10.4	58,882	83.0	3,849	5.4	4,825	6.8	1,144	16.1
1988	7,849	11.1	58,551	82.8	3,857	5.5	4,834	6.8	1,197	16.9
1989	8,022	11.2	58,564	81.5	4,145	5.8	6,098	8.5	1,742	24.2
1990	8,272	11.4	59,275	81.6	4,284	5.9	6,517	9.0	1,523	21.0
1991	8,323	11.6	58,705	81.5	4,435	6.2	6,794	9.4	1,355	18.8
1992	8,396	11.9	57,804	81.8	4,204	5.9	6,524	9.2	1,260	17.8
1993	8,274	11.9	57,251	82.1	4,299	6.2	6,576	9.4	1,098	15.7
1994	8,149	11.9	56,717	83.1	4,358	6.4	6,795	10.0	847	12.4
1995	7,935	11.8	56,155	83.2	4,066	6.0	6,566	9.7	899	13.3
1996	7,689	11.5	56,273	83.9	4,217	6.3	6,607	9.9	912	13.6
1997	7,622	11.5	56,112	84.4	4,262	6.4	6,718	10.1	1,038	15.6
1998	7,644	11.3	56,645	84.1	4,412	6.5	6,910	10.3	988	14.7
1999	7,494	11.0	57,203	83.9	4,552	6.7	7,108	10.4	908	13.3

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

* Percentages are based on total live births.

** Rates are per 1,000 live births.

Notes: "Premature" means less than 37 weeks of gestation. Since 1980, gestational age has been calculated as the difference between the date of last normal menses and the date of delivery. Since 1993, clinical estimate of gestation has been substituted when date of last normal menses is unknown. Data for 1989-1992 shown on this page were recalculated to make them comparable with data for subsequent years, and differ from previously published data. (See Figure 17, page 28.) Caution is advised in making comparisons between data for 1989-1999 and data for the years before 1989.

See Technical Notes (page 105) regarding comparability of data on congenital anomalies since 1989.

Table 27. Infant, Neonatal, Fetal and Perinatal Deaths and Mortality Rates, Wisconsin 1980-1999

Year	<u>Infant Deaths</u>			<u>Neonatal Deaths</u>			<u>Fetal Deaths</u>			<u>Perinatal Deaths</u>		
	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	U.S. Rate*	U.S. Rate*	Wisconsin Number	Rate**	U.S. Rate**	Wisconsin Number	Rate**	U.S. Rate**
1980	769	10.3	12.6	500	6.7	8.5	532	7.1	9.1	1,032	13.7	17.4
1981	769	10.3	11.9	514	6.9	8.0	552	7.4	8.9	1,066	14.2	16.9
1982	700	9.4	11.5	460	6.2	7.7	524	7.0	8.8	984	13.1	16.4
1983	699	9.6	11.2	459	6.3	7.3	476	6.5	8.4	935	12.8	15.6
1984	724	9.9	10.8	458	6.3	7.0	517	7.0	8.1	975	13.2	15.1
1985	674	9.2	10.6	414	5.6	7.0	481	6.5	7.8	895	12.1	14.7
1986	671	9.3	10.4	414	5.7	6.7	471	6.5	7.7	885	12.2	14.3
1987	611	8.6	10.1	361	5.1	6.5	445	6.2	7.6	806	11.3	14.1
1988	598	8.5	10.0	358	5.1	6.3	430	6.0	7.5	788	11.1	13.7
1989	662	9.2	9.8	401	5.6	6.2	480	6.6	7.5	881	12.2	13.7
1990	611	8.4	9.2	358	4.9	5.8	444	6.1	7.5	802	11.0	13.3
1991	608	8.4	8.9	370	5.1	5.6	427	5.9	7.3	797	11.0	12.8
1992	514	7.3	8.6	310	4.4	5.4	457	6.4	7.4	767	10.8	12.7
1993	553	7.9	8.4	331	4.7	5.3	401	5.7	7.1	732	10.4	12.4
1994	541	7.9	8.0	327	4.8	5.1	438	6.4	7.0	765	11.1	12.1
1995	493	7.3	7.6	311	4.6	4.9	403	5.9	7.0	714	10.5	11.8
1996	492	7.3	7.3	314	4.7	4.8	416	6.2	6.9	730	10.9	11.6
1997	431	6.5	7.2	294	4.4	4.8	361	5.4	6.8	655	9.8	11.5
1998	488	7.2	7.2	343	5.1	4.8	401	5.9	N/A	744	11.0	N/A
1999	456	6.7	N/A	294	4.3	N/A	353	5.2	N/A	647	9.4	N/A

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

* Rates are per 1,000 live births.

** Rates are per 1,000 live births and fetal deaths.

N/A: Not Available.

Notes: U.S. rates of perinatal death for the years 1992-1997 are from the National Center for Health Statistics (unpublished data). See Technical Notes (page 103) for definition of perinatal deaths.

Table A1. Number of Births by Age of Mother and Selected Characteristics, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	68,181	116	2,432	4,760	14,986	19,716	17,407	7,427	1,257	71
Education										
Elem. or Less	2,084	93	219	129	534	470	366	190	68	14
Some H.S.	8,828	23	2,042	1,922	2,715	1,268	549	253	55	1
H.S. Grad	21,761	-	164	2,357	7,174	5,806	3,988	1,917	336	13
Some College	16,470	-	-	342	3,619	5,879	4,491	1,797	319	23
College Grad	11,250	-	-	-	693	3,893	4,599	1,814	242	7
Post-Grad	7,659	-	-	-	218	2,377	3,392	1,432	231	9
Unknown	129	-	7	10	33	23	22	24	6	4
Marital Status										
Married	48,050	1	217	931	7,373	16,180	15,683	6,536	1,065	60
Unmarried	20,131	115	2,215	3,829	7,613	3,536	1,724	891	192	11
Unknown	-	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	57,203	52	1,468	3,401	11,645	17,288	15,730	6,542	1,026	43
Second	8,630	42	736	1,085	2,604	1,932	1,340	692	173	25
Third	1,686	15	174	215	540	353	222	127	37	3
None	536	6	49	53	168	107	82	55	16	-
Unknown	126	1	5	6	29	36	33	11	5	-
Number of Prenatal Care Visits										
No Visits	536	6	49	53	168	107	82	55	16	-
1-4	1,907	15	157	237	628	396	259	164	44	7
5-9	12,266	37	767	1,238	3,198	3,155	2,500	1,114	225	28
10-12	29,005	44	917	1,929	6,096	8,531	7,714	3,235	521	17
13+	24,280	14	534	1,297	4,854	7,472	6,803	2,839	444	19
Unknown	187	-	8	6	42	55	49	20	7	-
Smoked During Pregnancy										
No	56,472	102	1,881	3,337	11,192	16,745	15,597	6,458	1,085	66
Yes	11,635	14	547	1,420	3,781	2,954	1,795	951	168	5
Unknown	74	-	4	3	13	17	15	18	4	-
Live Birth Order										
1	27,056	112	2,173	3,531	7,080	7,821	4,657	1,461	213	6
2	22,373	4	237	999	5,024	6,856	6,615	2,311	317	8
3	11,252	-	20	197	2,023	3,143	3,762	1,851	251	5
4	4,341	-	2	31	616	1,146	1,422	930	176	15
5+	3,153	-	-	2	243	749	949	871	300	37
Unknown	6	-	-	-	-	1	2	3	-	-
Plurality										
Single Birth	66,161	116	2,398	4,685	14,657	19,165	16,759	7,098	1,215	63
Multiple Birth	2,020	-	34	75	329	551	648	329	42	8
Prematurity										
Full-Term (37+ Weeks)	61,058	88	2,080	4,165	13,360	17,861	15,739	6,580	1,129	54
Premature (<37 Weeks)	7,108	28	352	594	1,623	1,852	1,664	843	128	17
Unknown	15	-	-	1	3	3	4	4	-	-
Attendant at Birth										
Physician, M.D.	61,777	98	2,122	4,224	13,298	17,967	16,038	6,824	1,139	59
Physician, D.O.	2,306	3	75	144	578	671	567	231	34	3
Cert. Nurse Midwife	3,215	15	229	378	906	831	589	230	33	4
Other Midwife	495	-	-	2	112	130	123	89	35	4
Other	385	-	6	12	91	116	89	53	16	1
Unknown	3	-	-	-	1	1	1	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 9 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table A2. Percent of Births by Age of Mother and Selected Characteristics, Wisconsin 1999

	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Education										
Elem. or Less	3.1	80.2	9.0	2.7	3.6	2.4	2.1	2.6	5.4	19.7
Some H.S.	12.9	19.8	84.0	40.4	18.1	6.4	3.2	3.4	4.4	1.4
H.S. Grad	31.9	-	6.7	49.5	47.9	29.4	22.9	25.8	26.7	18.3
Some College	24.2	-	-	7.2	24.1	29.8	25.8	24.2	25.4	32.4
College Grad	16.5	-	-	-	4.6	19.7	26.4	24.4	19.3	9.9
Post-Grad	11.2	-	-	-	1.5	12.1	19.5	19.3	18.4	12.7
Unknown	0.2	-	0.3	0.2	0.2	0.1	0.1	0.3	0.5	5.6
Marital Status										
Married	70.5	0.9	8.9	19.6	49.2	82.1	90.1	88.0	84.7	84.5
Unmarried	29.5	99.1	91.1	80.4	50.8	17.9	9.9	12.0	15.3	15.5
Unknown	-	-	-	-	-	-	-	-	-	-
Trimester Prenatal Care Began										
First	83.9	44.8	60.4	71.4	77.7	87.7	90.4	88.1	81.6	60.6
Second	12.7	36.2	30.3	22.8	17.4	9.8	7.7	9.3	13.8	35.2
Third	2.5	12.9	7.2	4.5	3.6	1.8	1.3	1.7	2.9	4.2
None	0.8	5.2	2.0	1.1	1.1	0.5	0.5	0.7	1.3	-
Unknown	0.2	0.9	0.2	0.1	0.2	0.2	0.2	0.1	0.4	-
Number of Prenatal Care Visits										
No Visits	0.8	5.2	2.0	1.1	1.1	0.5	0.5	0.7	1.3	-
1-4	2.8	12.9	6.5	5.0	4.2	2.0	1.5	2.2	3.5	9.9
5-9	18.0	31.9	31.5	26.0	21.3	16.0	14.4	15.0	17.9	39.4
10-12	42.5	37.9	37.7	40.5	40.7	43.3	44.3	43.6	41.4	23.9
13+	35.6	12.1	22.0	27.2	32.4	37.9	39.1	38.2	35.3	26.8
Unknown	0.3	-	0.3	0.1	0.3	0.3	0.3	0.3	0.6	-
Smoked During Pregnancy										
No	82.8	87.9	77.3	70.1	74.7	84.9	89.6	87.0	86.3	93.0
Yes	17.1	12.1	22.5	29.8	25.2	15.0	10.3	12.8	13.4	7.0
Unknown	0.1	-	0.2	0.1	0.1	0.1	0.1	0.2	0.3	-
Live Birth Order										
1	39.7	96.6	89.4	74.2	47.2	39.7	26.8	19.7	16.9	8.5
2	32.8	3.4	9.7	21.0	33.5	34.8	38.0	31.1	25.2	11.3
3	16.5	-	0.8	4.1	13.5	15.9	21.6	24.9	20.0	7.0
4	6.4	-	0.1	0.7	4.1	5.8	8.2	12.5	14.0	21.1
5+	4.6	-	-	0.0	1.6	3.8	5.5	11.7	23.9	52.1
Unknown	0.0	-	-	-	-	0.0	0.0	0.0	-	-
Plurality										
Single Birth	97.0	100.0	98.6	98.4	97.8	97.2	96.3	95.6	96.7	88.7
Multiple Birth	3.0	-	1.4	1.6	2.2	2.8	3.7	4.4	3.3	11.3
Prematurity										
Full Term (37+ Weeks)	89.6	75.9	85.5	87.5	89.1	90.6	90.4	88.6	89.8	76.1
Premature (<37 Weeks)	10.4	24.1	14.5	12.5	10.8	9.4	9.6	11.4	10.2	23.9
Unknown	0.0	-	-	0.0	0.0	0.0	0.0	0.1	-	-
Attendant at Birth										
Physician, M.D.	90.6	84.5	87.3	88.7	88.7	91.1	92.1	91.9	90.6	83.1
Physician, D.O.	3.4	2.6	3.1	3.0	3.9	3.4	3.3	3.1	2.7	4.2
Cert. Nurse Midwife	4.7	12.9	9.4	7.9	6.0	4.2	3.4	3.1	2.6	5.6
Other Midwife	0.7	-	-	0.0	0.7	0.7	0.7	1.2	2.8	5.6
Other	0.6	-	0.2	0.3	0.6	0.6	0.5	0.7	1.3	1.4
Unknown	0.0	-	-	-	0.0	0.0	0.0	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 9 births for which age of mother was not reported. A dash (-) indicates that there were no births in that category.

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 1999

	Total	White	Black	American Indian	Hispanic	Laotian/ Hmong	Other
Total	68.181	54.813	6.444	924	4.036	1.025	929
Age of Mother							
<15	116	20	64	7	23	2	-
15-17	2.432	1.193	726	83	292	119	19
18-19	4.760	3.010	1.007	128	463	121	30
20-24	14.986	10.613	2.296	286	1.368	289	132
25-29	19.716	16.679	1.251	215	1.041	217	311
30-34	17.407	15.556	672	144	579	160	293
35-39	7.427	6.610	348	52	220	72	123
40-44	1.257	1.086	68	9	43	30	21
45+	71	43	11	-	2	15	-
Unknown	9	3	1	-	5	-	-
Education of Mother							
Elem. or Less	2.084	745	194	24	806	291	24
Some H.S.	8.828	4.571	2.456	286	1.244	214	56
H.S. Grad	21.761	17.494	2.221	354	1.168	324	197
Some College	16.470	14.369	1.151	181	500	113	155
College Grad	11.250	10.552	243	34	159	33	229
Post-Grad	7.659	7.028	164	42	139	18	266
Unknown	129	54	15	3	20	32	2
Marital Status							
Married	48.050	42.686	1.052	320	2.248	897	840
Unmarried	20.131	12.127	5.392	604	1.788	128	89
Unknown	-	-	-	-	-	-	-
Trimester Prenatal Care Began							
First	57.203	47.968	4.449	677	2.845	489	770
Second	8.630	5.526	1.439	178	890	465	129
Third	1.686	940	382	45	230	65	24
None	536	268	170	21	67	5	5
Unknown	126	111	4	3	4	1	1
Number of Prenatal Care Visits							
No Visits	536	268	170	21	67	5	5
1-4	1.907	995	516	63	219	95	18
5-9	12.266	8.609	1.697	259	1.073	458	168
10-12	29.005	23.750	2.562	356	1.590	320	424
13+	24.280	21.032	1.488	223	1.078	146	311
Unknown	187	159	11	2	9	1	3
Smoked During Pregnancy							
No	56.472	45.280	5.044	550	3.689	1.011	893
Yes	11.635	9.472	1.396	369	345	14	36
Unknown	74	61	4	5	2	-	-
Live Birth Order							
1	27.056	22.287	2.152	348	1.581	223	462
2	22.373	18.583	1.807	258	1.229	186	308
3	11.252	8.954	1.186	154	692	148	116
4	4.341	3.172	617	99	313	108	32
5+	3.153	1.813	682	65	221	360	11
Unknown	6	4	-	-	-	-	-

(Continued)

Table B1. Number of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 1999

	Total	White	Black	American Indian	Hispanic	Laotian/ Hmong	Other
Total	68,181	54,813	6,444	924	4,036	1,025	929
Prematurity							
Full Term (37+ Weeks)	61,058	49,579	5,354	827	3,586	874	830
Premature (<37 Weeks)	7,108	5,224	1,088	97	449	151	99
Unknown	15	10	2	-	1	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	6,791	5,002	1,036	91	428	142	92
37-39	29,291	23,981	2,541	364	1,613	366	422
40	14,344	11,862	1,056	196	866	172	189
41	8,400	6,899	672	105	503	133	88
42+	7,245	5,449	898	120	502	165	110
Unknown	2,110	1,620	241	48	124	47	28

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 10 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

“Premature” means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted.

The “computed estimate of gestational age” is calculated as the difference between the date of last normal menses and date of delivery.

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 1999

	Total	White	Black	Amer. Indian	Hispanic	Laotian/ Hmong	Other
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Age of Mother							
<15	0.2	0.0	1.0	0.8	0.6	0.2	-
15-17	3.6	2.2	11.3	9.0	7.2	11.6	2.0
18-19	7.0	5.5	15.6	13.9	11.5	11.8	3.2
20-24	22.0	19.4	35.6	31.0	33.9	28.2	14.2
25-29	28.9	30.4	19.4	23.3	25.8	21.2	33.5
30-34	25.5	28.4	10.4	15.6	14.3	15.6	31.5
35-39	10.9	12.1	5.4	5.6	5.5	7.0	13.2
40-44	1.8	2.0	1.1	1.0	1.1	2.9	2.3
45+	0.1	0.1	0.2	-	0.0	1.5	-
Unknown	0.0	0.0	0.0	-	0.1	-	-
Education of Mother							
Elem. or Less	3.1	1.4	3.0	2.6	20.0	28.4	2.6
Some H.S.	12.9	8.3	38.1	31.0	30.8	20.9	6.0
H.S. Grad	31.9	31.9	34.5	38.3	28.9	31.6	21.2
Some College	24.2	26.2	17.9	19.6	12.4	11.0	16.7
College Grad	16.5	19.3	3.8	3.7	3.9	3.2	24.7
Post-Grad	11.2	12.8	2.5	4.5	3.4	1.8	28.6
Unknown	0.2	0.1	0.2	0.3	0.5	3.1	0.2
Marital Status							
Married	70.5	77.9	16.3	34.6	55.7	87.5	90.4
Unmarried	29.5	22.1	83.7	65.4	44.3	12.5	9.6
Unknown	0.0	0.0	-	-	-	-	-
Trimester Prenatal Care Began							
First	83.9	87.5	69.0	73.3	70.5	47.7	82.9
Second	12.7	10.1	22.3	19.3	22.1	45.4	13.9
Third	2.5	1.7	5.9	4.9	5.7	6.3	2.6
None	0.8	0.5	2.6	2.3	1.7	0.5	0.5
Unknown	0.2	0.2	0.1	0.3	0.1	0.1	0.1
Number of Prenatal Care Visits							
No Visits	0.8	0.5	2.6	2.3	1.7	0.5	0.5
1-4	2.8	1.8	8.0	6.8	5.4	9.3	1.9
5-9	18.0	15.7	26.3	28.0	26.6	44.7	18.1
10-12	42.5	43.3	39.8	38.5	39.4	31.2	45.6
13+	35.6	38.4	23.1	24.1	26.7	14.2	33.5
Unknown	0.3	0.3	0.2	0.2	0.2	0.1	0.3
Smoked During Pregnancy							
No	82.8	82.6	78.3	59.5	91.4	98.6	96.1
Yes	17.1	17.3	21.7	39.9	8.5	1.4	3.9
Unknown	0.1	0.1	0.1	0.5	0.0	-	-
Live Birth Order							
1	39.7	40.7	33.4	37.7	39.2	21.8	49.7
2	32.8	33.9	28.0	27.9	30.5	18.1	33.2
3	16.5	16.3	18.4	16.7	17.1	14.4	12.5
4	6.4	5.8	9.6	10.7	7.8	10.5	3.4
5+	4.6	3.3	10.6	7.0	5.5	35.1	1.2
Unknown	0.0	0.0	-	-	-	-	-

(Continued)

Table B2. Percent of Births by Race/Ethnicity of Mother and Selected Characteristics, Wisconsin 1999

	Total	White	Black	American Indian	Hispanic	Laotian/ Hmong	Other
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Prematurity							
Full Term (37+ Weeks)	89.6	90.5	83.1	89.5	88.9	85.3	89.3
Premature (<37 Weeks)	10.4	9.5	16.9	10.5	11.1	14.7	10.7
Unknown	0.0	0.0	0.0	-	0.0	-	-
Computed Estimate of Gestational Age (Weeks)							
<37	10.0	9.1	16.1	9.8	10.6	13.9	9.9
37-39	43.0	43.8	39.4	39.4	40.0	35.7	45.4
40	21.0	21.6	16.4	21.2	21.5	16.8	20.3
41	12.3	12.6	10.4	11.4	12.5	13.0	9.5
42+	10.6	9.9	13.9	13.0	12.4	16.1	11.8
Unknown	3.1	3.0	3.7	5.2	3.1	4.6	3.0

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 10 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

“Premature” means less than 37 weeks of gestation. Gestational age is calculated as the difference between the date of last normal menses and the date of delivery. Where date of last normal menses is unknown, clinical estimate of gestation is substituted. Caution is advised in making comparisons between years.

The “computed estimate of gestational age” is calculated as the difference between the date of last normal menses and date of delivery.

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 1999

	Total Births	<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	68,181	870	1.3	3,682	5.4	63,623	93.3	4,552	6.7
Plurality									
Single Birth	66,161	656	1.0	2,819	4.3	62,680	94.7	3,475	5.3
Multiple Birth	2,020	214	10.6	863	42.7	943	46.7	1,077	53.3
Prematurity									
Full Term (37+ Weeks)	61,058	27	0.0	1,518	2.5	59,510	97.5	1,545	2.5
Premature (<37)	7,108	841	11.8	2,162	30.4	4,104	57.7	3,003	42.2
Unknown	15	2	13.3	2	13.3	9	60.0	4	26.7
Age of Mother									
<15	116	2	1.7	10	8.6	104	89.7	12	10.3
15-17	2,432	58	2.4	197	8.1	2,177	89.5	255	10.5
18-19	4,760	82	1.7	327	6.9	4,351	91.4	409	8.6
20-24	14,986	222	1.5	843	5.6	13,919	92.9	1,065	7.1
25-29	19,716	215	1.1	916	4.6	18,585	94.3	1,131	5.7
30-34	17,407	173	1.0	855	4.9	16,378	94.1	1,028	5.9
35-39	7,427	99	1.3	425	5.7	6,901	92.9	524	7.1
40-44	1,257	13	1.0	92	7.3	1,151	91.6	105	8.4
45+	71	4	5.6	12	16.9	55	77.5	16	22.5
Unknown	9	2	22.2	5	55.6	2	22.2	7	77.8
Race/Ethnicity of Mother									
White	54,813	612	1.1	2,618	4.8	51,579	94.1	3,230	5.9
Black	6,444	183	2.8	682	10.6	5,579	86.6	865	13.4
Amer. Indian	924	9	1.0	45	4.9	870	94.2	54	5.8
Hispanic	4,036	45	1.1	206	5.1	3,785	93.8	251	6.2
Laotian/Hmong	1,025	16	1.6	70	6.8	939	91.6	86	8.4
Other	929	5	0.5	61	6.6	863	92.9	66	7.1
Unknown	10	-	-	-	-	8	80.0	-	-
Education of Mother									
Elem. or Less	2,084	31	1.5	116	5.6	1,937	92.9	147	7.1
Some H.S.	8,828	179	2.0	722	8.2	7,927	89.8	901	10.2
H.S. Grad	21,761	289	1.3	1,261	5.8	20,208	92.9	1,550	7.1
Some College	16,470	183	1.1	784	4.8	15,502	94.1	967	5.9
College Grad	11,250	106	0.9	480	4.3	10,664	94.8	586	5.2
Post-Grad	7,659	75	1.0	317	4.1	7,267	94.9	392	5.1
Unknown	129	7	5.4	2	1.6	118	91.5	9	7.0
Marital Status									
Married	48,050	477	1.0	2,144	4.5	45,426	94.5	2,621	5.5
Unmarried	20,131	393	2.0	1,538	7.6	18,197	90.4	1,931	9.6
Unknown	-	-	-	-	-	-	-	-	-

(Continued)

Table C1. Number and Percent of Births by Birthweight and Selected Characteristics, Wisconsin 1999

	Total		<1,500 Grams		1,500-2,499 Grams		2,500+ Grams		Total <2,500 Grams	
	Births		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Trimester Prenatal Care Began										
First	57,203		705	1.2	2,909	5.1	53,586	93.7	3,614	6.3
Second	8,630		110	1.3	568	6.6	7,952	92.1	678	7.9
Third	1,686		9	0.5	99	5.9	1,578	93.6	108	6.4
None	536		40	7.5	87	16.2	409	76.3	127	23.7
Unknown	126		6	4.8	19	15.1	98	77.8	25	19.8
Number of Prenatal Care Visits										
No Visits	536		40	7.5	87	16.2	409	76.3	127	23.7
1-4	1,907		157	8.2	192	10.1	1,558	81.7	349	18.3
5-9	12,266		363	3.0	1,060	8.6	10,842	88.4	1,423	11.6
10-12	29,005		123	0.4	1,257	4.3	27,624	95.2	1,380	4.8
13+	24,280		176	0.7	1,059	4.4	23,044	94.9	1,235	5.1
Unknown	187		11	5.9	27	14.4	146	78.1	38	20.3
Smoked During Pregnancy										
No	56,472		629	1.1	2,624	4.6	53,217	94.2	3,253	5.8
Yes	11,635		231	2.0	1,045	9.0	10,357	89.0	1,276	11.0
Unknown	74		10	13.5	13	17.6	49	66.2	23	31.1
Type of Delivery										
Vaginal After										
Previous C-Section	1,879		16	0.9	80	4.3	1,783	94.9	96	5.1
Forceps	1,449		-	-	56	3.9	1,393	96.1	56	3.9
Other Vaginal	53,258		422	0.8	2,425	4.6	50,405	94.6	2,847	5.3
Primary C-Section	7,533		375	5.0	912	12.1	6,246	82.9	1,287	17.1
Repeat C-Section	4,059		57	1.4	209	5.1	3,793	93.4	266	6.6
Other	3		-	-	-	-	3	100.0	-	-
Live Birth Order										
1	27,056		397	1.5	1,582	5.8	25,074	92.7	1,979	7.3
2	22,373		240	1.1	992	4.4	21,140	94.5	1,232	5.5
3	11,252		123	1.1	594	5.3	10,535	93.6	717	6.4
4	4,341		52	1.2	260	6.0	4,029	92.8	312	7.2
5+	3,153		58	1.8	254	8.1	2,841	90.1	312	9.9
Unknown	6		-	-	-	-	4	66.7	-	-
Congenital Anomalies										
No	67,273		839	1.2	3,560	5.3	62,868	93.5	4,399	6.5
Yes	908		31	3.4	122	13.4	755	83.1	153	16.9

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 6 births for which birthweight was not reported. Infants weighing less than 2,500 grams (or 5.5 pounds) at birth are considered low birthweight. Infants weighing less than 1,500 grams (or 3.3 pounds) at birth are considered very low birthweight. A dash (-) indicates that there were no births in that category.

Table C2. Number and Percent of Births by Estimated Gestational Age and Birthweight, Wisconsin 1999

Birthweight	Total	Estimated Gestational Age (in Weeks)									
		17-19	20-27	28-31	32-35	36	37-39	40	41	42+	Unk.
<i>Number</i>											
Total	68,181	31	439	750	3,123	2,448	29,291	14,344	8,400	7,245	2,110
<500 Grams	116	19	70	7	1	-	2	-	-	1	16
500-999 Grams	328	1	194	71	22	-	-	1	2	2	35
1,000-1,499 Gms	426	1	51	207	102	8	13	-	1	4	39
1,500-1,999 Gms	879	-	11	157	451	50	102	21	12	21	54
2,000-2,499 Gms	2,803	1	17	68	888	403	945	143	83	145	110
2,500-2,999 Gms	9,550	4	20	67	824	889	4,801	1,191	633	747	374
3,000-3,499 Gms	24,204	2	47	84	551	741	11,889	4,967	2,632	2,587	704
3,500-3,999 Gms	21,506	3	19	62	216	283	8,819	5,584	3,369	2,585	566
4,000-4,499 Gms	6,986	-	10	21	62	64	2,304	2,055	1,343	954	173
4,500+ Grams	1,377	-	-	6	6	10	414	381	325	199	36
Unknown	6	-	-	-	-	-	2	1	-	-	3
<i>Percent</i>											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	61.3	15.9	0.9	0.0	-	0.0	-	-	0.0	0.8
500-999 Grams	0.5	3.2	44.2	9.5	0.7	-	-	0.0	0.0	0.0	1.7
1,000-1,499 Gms	0.6	3.2	11.6	27.6	3.3	0.3	0.0	-	0.0	0.1	1.8
1,500-1,999 Gms	1.3	-	2.5	20.9	14.4	2.0	0.3	0.1	0.1	0.3	2.6
2,000-2,499 Gms	4.1	3.2	3.9	9.1	28.4	16.5	3.2	1.0	1.0	2.0	5.2
2,500-2,999 Gms	14.0	12.9	4.6	8.9	26.4	36.3	16.4	8.3	7.5	10.3	17.7
3,000-3,499 Gms	35.5	6.5	10.7	11.2	17.6	30.3	40.6	34.6	31.3	35.7	33.4
3,500-3,999 Gms	31.5	9.7	4.3	8.3	6.9	11.6	30.1	38.9	40.1	35.7	26.8
4,000-4,499 Gms	10.2	-	2.3	2.8	2.0	2.6	7.9	14.3	16.0	13.2	8.2
4,500+ Grams	2.0	-	-	0.8	0.2	0.4	1.4	2.7	3.9	2.7	1.7
Unknown	0.0	-	-	-	-	-	0.0	0.0	-	-	0.1

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Table C3. Number and Percent of Births by Race/Ethnicity of Mother and Birthweight, Wisconsin 1999

Birthweight	Total	White	Black	American Indian	Hispanic	Laotian/ Hmong	Other
<i>Number</i>							
Total	68,181	54,813	6,444	924	4,036	1,025	929
<500 Grams	116	74	32	2	6	1	1
500-999 Grams	328	222	72	5	18	9	2
1,000-1,499 Gms	426	316	79	2	21	6	2
1,500-1,999 Gms	879	619	176	11	41	20	12
2,000-2,499 Gms	2,803	1,999	506	34	165	50	49
2,500-2,999 Gms	9,550	6,890	1,479	111	629	244	194
3,000-3,499 Gms	24,204	19,037	2,459	304	1,592	434	375
3,500-3,999 Gms	21,506	18,261	1,331	293	1,171	221	227
4,000-4,499 Gms	6,986	6,158	268	132	336	37	55
4,500+ Grams	1,377	1,233	42	30	57	3	12
Unknown	6	4	-	-	-	-	-
<i>Percent</i>							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<500 Grams	0.2	0.1	0.5	0.2	0.1	0.1	0.1
500-999 Grams	0.5	0.4	1.1	0.5	0.4	0.9	0.2
1,000-1,499 Gms	0.6	0.6	1.2	0.2	0.5	0.6	0.2
1,500-1,999 Gms	1.3	1.1	2.7	1.2	1.0	2.0	1.3
2,000-2,499 Gms	4.1	3.6	7.9	3.7	4.1	4.9	5.3
2,500-2,999 Gms	14.0	12.6	23.0	12.0	15.6	23.8	20.9
3,000-3,499 Gms	35.5	34.7	38.2	32.9	39.4	42.3	40.4
3,500-3,999 Gms	31.5	33.3	20.7	31.7	29.0	21.6	24.4
4,000-4,499 Gms	10.2	11.2	4.2	14.3	8.3	3.6	5.9
4,500+ Grams	2.0	2.2	0.7	3.2	1.4	0.3	1.3
Unknown	0.0	0.0	-	-	-	-	-

Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: Included in the totals are 10 births for which race/ethnicity of mother was not reported. A dash (-) indicates that there were no births in that category.

Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 1999

	Fetal Deaths (Gestation >20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Total	353	5.2	294	4.3	456	6.7
Sex of Infant						
Male	181	5.1	159	4.5	255	7.3
Female	165	5.0	134	4.0	200	6.0
Unknown	7	-	1	-	1	-
Birthweight						
1,499 Grams or Less	215	198.2	195	224.1	218	250.6
1,500-2,499 Grams	61	16.3	38	10.3	69	18.7
2,500+ Grams	71	1.1	61	1.0	169	2.7
Unknown	6	-	-	-	-	-
White Non-Hispanic	261	4.7	200	3.6	314	5.7
1,499 Grams or Less	155	202.1	128	209.2	144	235.3
1,500-2,499 Grams	44	16.5	27	10.3	49	18.7
2,500+ Grams	57	1.1	45	0.9	121	2.3
Unknown	5	-	-	-	-	-
Black Non-Hispanic	58	8.9	61	9.5	96	14.9
1,499 Grams or Less	38	171.9	47	256.8	53	289.6
1,500-2,499 Grams	10	-	5	-	10	-
2,500+ Grams	9	-	9	-	33	5.9
Unknown	1	-	-	-	-	-
Computed Estimate of Gestational Age (Weeks)						
Less than 37	247	35.1	117	17.2	154	22.7
37-39	47	1.6	22	0.8	64	2.2
40-41	19	-	8	-	22	1.0
42+	8	-	4	-	17	-
Unknown	32	14.9	143	67.8	199	94.3
Marital Status						
Married	210	4.4	161	3.4	228	4.7
Unmarried	143	7.1	133	6.6	228	11.3
Unknown	-	-	-	-	-	-
Education of Mother						
Elementary or Less	19	-	9	-	13	-
Some High School	67	7.5	62	7.0	104	11.8
High School Graduate	124	5.7	105	4.8	168	7.7
Some College	69	4.2	67	4.1	102	6.2
College Graduate	41	3.6	26	2.3	39	3.5
Post Graduate	23	3.0	22	2.9	27	3.5
Unknown	10	-	3	-	3	-

(Continued)

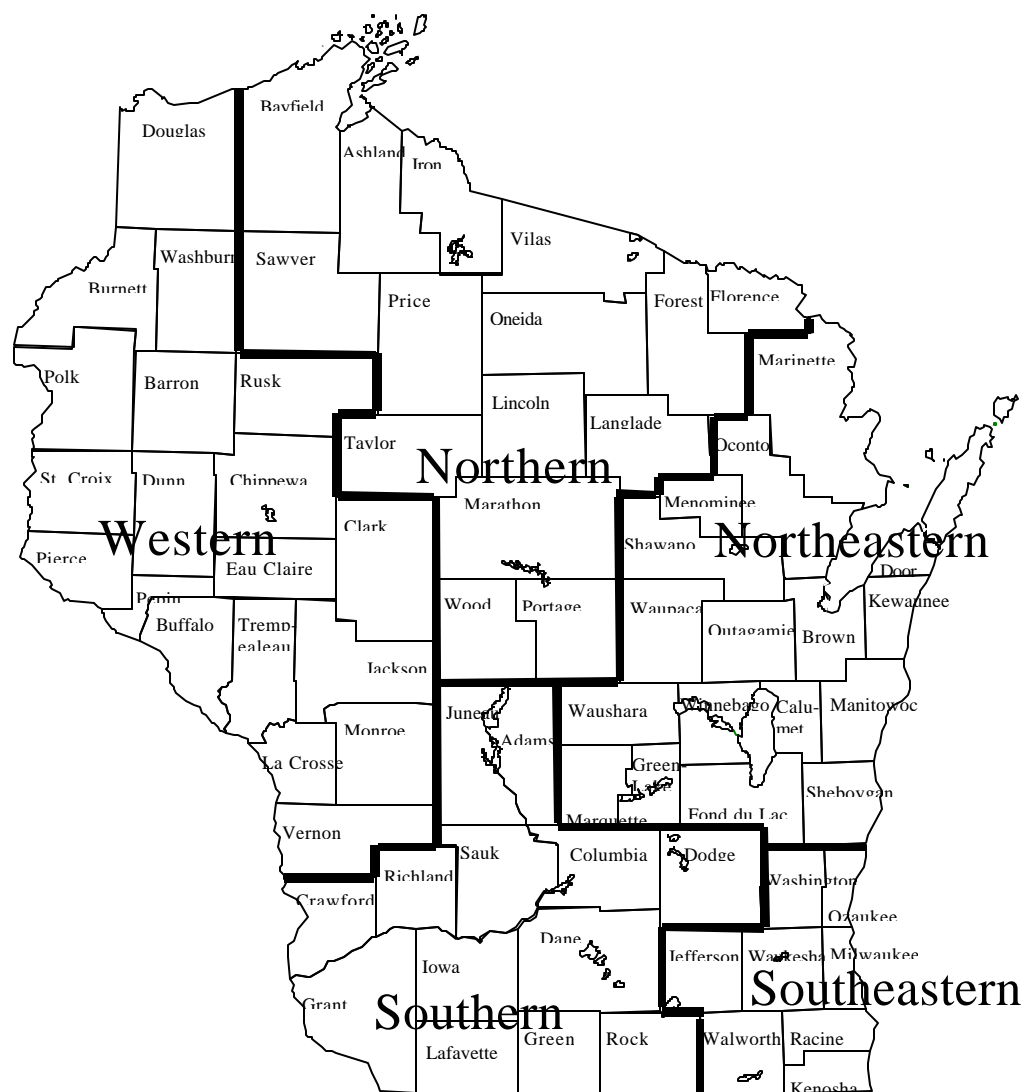
Table D. Fetal, Neonatal, and Infant Deaths by Selected Characteristics, Wisconsin 1999

	Fetal Deaths (Gestation >20 weeks)		Neonatal Deaths (Age <28 days)		Infant Deaths (Age <1 year)	
	Number	Rate	Number	Rate	Number	Rate
Age of Mother						
<15	1	-	1	-	4	-
15-17	15	-	20	8.2	29	11.9
18-19	33	6.9	37	7.8	57	12.0
20-24	75	5.0	82	5.5	136	9.1
25-29	80	4.0	67	3.4	98	5.0
30-34	90	5.1	62	3.6	92	5.3
35-39	53	7.1	19	-	32	4.3
40+	6	-	6	-	9	-
Unknown	-	-	-	-	1	-
Race of Mother						
White	261	4.7	200	3.6	314	5.7
Black	58	8.9	61	9.5	96	14.9
Amer. Indian	8	-	7	-	8	-
Hispanic	19	-	21	5.2	31	7.7
Laotian/Hmong	2	-	4	-	5	-
Other	5	-	1	-	2	-
Unknown	1	-	-	-	-	-
Trimester Prenatal Care Began						
First	281	4.9	241	4.2	357	6.2
Second	42	4.8	35	4.1	66	7.6
Third	5	-	2	-	11	-
None	20	36.0	13	-	17	-
Unknown	5	-	3	-	5	-
Number of Prenatal Care Visits						
No Visits	21	37.7	13	-	17	-
1-4 Visits	73	36.9	72	37.8	86	45.1
5-9 Visits	133	10.7	93	7.6	142	11.6
10-12 Visits	60	2.1	53	1.8	98	3.4
13+ Visits	61	2.5	59	2.4	106	4.4
Unknown	5	-	4	-	7	-
Plurality						
Single Birth	310	4.7	246	3.7	399	6.0
Multiple Birth	42	20.4	48	23.8	57	28.2
Unknown	1	-	-	-	-	-
Smoked During Pregnancy						
No	254	4.5	219	3.9	320	5.7
Yes	99	8.4	71	6.1	131	11.3
Unknown	-	-	4	-	5	-

Source: Fetal death and matched birth-death files, Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Notes: The fetal death rate is based on the number of fetal deaths per 1,000 live births and reported fetal deaths.
The neonatal death rate is based on the number of neonatal deaths per 1,000 live births.
The infant death rate is based on the number of infant deaths per 1,000 live births.
Rates based on fewer than 20 deaths are omitted because they are subject to large random fluctuations.

Map 1. Wisconsin Department of Health and Family Services Regions, 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

Note: As of July 1, 1996, new Department of Health and Family Services regions were established. Comparisons with regional data in previous publications may therefore be affected.

Map 2. Wisconsin Perinatal Regions, 1999



Source: Bureau of Health Information, Division of Health Care Financing, Department of Health and Family Services.

DEPARTMENT OF HEALTH & FAMILY SERVICES
Division of Health
DOH-5103B (Rev. 10/96)

STATE OF WISCONSIN
Chapter 69, Wis. Stat.

BIRTH CERTIFICATE WORKSHEET

The information on this worksheet (except signatures and informant entries) must be typed, if possible. If a typewriter is not available, the information must be printed neatly **IN BLACK INK** including informant information. Worksheets that are illegible will be returned for replacement. Item numbers reflect data entry order and are not always in consecutive order on this form.

INFORMANT: READ THE PAGE TO THE LEFT AND COMPLETE THE SHADED AREAS ON BOTH SIDES OF THE FORM.

PART I INFORMANT LEGAL INFORMATION			
Mother	16. Mother's Current Name		First Middle Last
	17. Mother's Birth Name (Maiden Name)		First Middle Last
	18. Mother's Date of Birth (Mo./Day/Yr.) (spell out month)		19. Mother's State of Birth (if not in the U.S.A., name the country)
	* For items 20-23, enter the mother's legal residence (the physical location where the mother lives). Name the city, village or township (Minor Civil Division) where the home is located. This is not always the same as the mailing address. Do not name an unincorporated place.		
20. Residence State (if not in the U.S.A., name the country)		21. Residence County	
22. Residence Inside City, Village, Township of:		23. Check One: <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township	
Husband	Husband Information: Read the information on the page to the left labeled "E. Husband/Father Information on the Birth Certificate" before entering any of the items pertaining to the husband on the worksheet and before completing item 35, "Is Mother Married?".		
	24. Husband's Name		First Middle Last
	25. Husband's Date of Birth (Mo./Day/Yr.) (spell out month)		26. Husband's State of Birth (if not in U.S.A., name the country)
	32. Informant Name		33. Relation to Child (do not enter "father" if informant is not listed as husband in item 24)
CHILD'S NAME (Read the information to the left labeled "D. Naming Your Child" before completing this section.) Print the name as you want it to appear on the legal birth record.			
First Middle Last Title (e.g. Jr., II, III, etc.)			
PART II INFORMANT CONFIDENTIAL LEGAL INFORMATION (This information Does Not Appear on Certified Copies of the Birth Certificate)			
34a. Mother's Mailing Address (Street or RFD, City / Village / Post Office, State, ZIP) The Birth Notification form will be sent to this address. If the infant is being placed for adoption or this possibility is under consideration, check the box <input type="checkbox"/> and do not provide an address.			
<input type="checkbox"/> Child may/will be placed for adoption			
34b. Social Security Number Requested by Parents? Read the information on the page to the left labeled, "G. Social Security Number Requested" before answering this question. The infant must be named and the mother's mailing address must be complete if the box is checked "Yes".			34c. Mother's Social Security Number
			34d. Husband's Social Security Number
			<input type="checkbox"/> YES <input type="checkbox"/> NO
35. Is Mother Married (at any time between conception and birth)? Read the information labeled "E. Husband/Father Information" on the page to the left before answering this question.			
<input type="checkbox"/> YES <input type="checkbox"/> NO			
*Parent/Informant Signature and Date. I certify that the information I have provided in the shaded areas of both sides of this form is correct to the best of my knowledge and belief.			
Signature		Date Signed	
*Only the mother and/or the husband named in item 24 may name the child and/or authorize a request for a social security number for the child. If the informant is someone other than the mother or husband, the mother or husband must co-sign this document.			
PART I RECORD FILER LEGAL INFORMATION (RECORD FILER: TYPE OR PRINT CHILD'S NAME AND RE-VERIFY WITH NAME GIVEN ABOVE BY INFORMANT)			
1. Child's Name: First		Middle	Last Title (e.g. Jr., II, III, etc.)
2. Sex <input type="checkbox"/> Male <input type="checkbox"/> Female	3. Date of Birth (Month/Day/Year) (spell out month)		4. Hour (specify hour and minute and check appropriate box) <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> Noon <input type="checkbox"/> Midnight
5a. Birth Facility <input type="checkbox"/> Clinic/Dr. Office <input type="checkbox"/> Residence <input type="checkbox"/> Hospital <input type="checkbox"/> Birth Center <input type="checkbox"/> Other		5b. If at or en route to a hospital, give name	
5c. If not at or en route to a hospital, give street address where birth occurred (where placenta was delivered)			
6. County of Birth:		7. Birth Occurred Inside City, Village, Township of:	8. Check One: <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township
9a. Attendant Name		9b. Wis. License #	10. Title 1. <input type="checkbox"/> M.D. 2. <input type="checkbox"/> D.O. 3. <input type="checkbox"/> C.N.M. 4. <input type="checkbox"/> Other MDWF 5. <input type="checkbox"/> Other
11. Name of Filing Party [s. 69.14(1)(c)] and Title			12. Date Completed (Month/Day/Year) (spell out month)
13. Mailing Address of Filing Party <input type="checkbox"/> Same as Hospital. If not at a hospital, give complete mailing address			
27. Birthweight (original unconverted) grams OR lbs. oz.		28. Crown-Heel Length (original unconverted) centimeters OR in.	
29. If infant Died (Mo./Day/Yr.) (spell out month) <input type="checkbox"/> Died		30. Plurality (single, twin, triplet, etc.)	
31. If Not Single Birth: (born first, second, third, etc.)			

PART III CONFIDENTIAL MEDICAL/STATISTICAL INFORMATION

The information from this page is only available to the mother and to the staff of some public health and research programs. They must treat this information as confidential material. The information is collected throughout the nation for health and population research and it is used to promote healthy births and to identify present and future health needs and populations of certain groups or areas. This information does not appear on the birth certificate.

RACE - Enter the race of the mother and husband (if listed in item 24) on the appropriate line. Enter both races if of "mixed" race. Do not enter "Hispanic" here. If "Native American", enter "American Indian". If Asian or Southeast Asian, specify the national origin such as "Hmong", "Cambodian", "Chinese", "Japanese", etc.

HISPANIC ORIGIN - "Hispanic" refers to people whose origins are from Spain, Mexico, or the Spanish-speaking countries of Central or South America. If you are of Hispanic origin, specify the national origin. If not of Hispanic origin, check the "No" box.

EDUCATION - Enter the number of years of schooling completed. Do not count partial years (e.g. if the freshman year of college is not completed, enter "12" under "Elementary/Secondary" column). Do not include years in technical or specialty schools unless college transferable academic credits were received.

EMPLOYMENT ONE YEAR AGO - Enter the occupation and type of firm or agency worked at one year prior to this birth. Be as specific as possible in these items (See examples below). Avoid the use of a firm or agency name. Instead, describe the type of business in which the firm or agency is involved. Do not use abbreviations for job titles.

Examples:

OCCUPATION	TYPE OF FIRM OR AGENCY	OCCUPATION	TYPE OF FIRM OR AGENCY
Enter: Clerk Typist	City Health Department	Enter: Disabled	None
Not: Office Worker	City of Madison	Not: None	None
Enter: Math Teacher	High School	Enter: Unemployed	None
Not: Teacher	Public School	Not: Never Worked	None
Enter: Auto Mechanic	Self-Employed	Enter: Student	High School
Not: Mechanic	Own	Not: None	None
Enter: Sales Clerk	Hardware Store	Enter: Homemaker	Own Home
Not: Clerk	Smith's Store	Not: None	None

36. RACE White, Black Amer. Ind., etc.		37. HISPANIC ORIGIN Specify Mexican, Puerto Rican, Cuban, etc.		38. EDUCATION Highest Grade Completed Elem./second College (1-4 or 5-12)		39. EMPLOYMENT ONE YEAR AGO Occupation Type of Firm or Agency		40. PREGNANCY HISTORY (Obtain from informant if necessary)	
a. <input type="checkbox"/> No		a. <input type="checkbox"/> No		a. <input type="checkbox"/> No		a. <input type="checkbox"/> No		a. <input type="checkbox"/> No	
b. <input type="checkbox"/> No		b. <input type="checkbox"/> No		b. <input type="checkbox"/> No		b. <input type="checkbox"/> No		b. <input type="checkbox"/> No	
41. CLINICAL ESTIMATE OF GESTATION (Weeks) Month Day Year		42. DATE LAST NORMAL MENSTRUATION BEGAN Month Day Year		43. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9; Not Trimester)		44. TOTAL NUMBER OF PRENATAL VISITS NONE		45. APGAR SCORE 1 minute 5 minute	
46. MOTHER TRANSFERRED PRIOR TO DELIVERY? YES <input type="checkbox"/> NO <input type="checkbox"/>		47. INFANT TRANSFERRED TO INTENSIVE CARE OR ANOTHER HOSPITAL YES <input type="checkbox"/> NO <input type="checkbox"/>		If yes, Name facility and city: Date of Transfer (Month Day Year)		48a. Cigarette use during pregnancy? Yes <input type="checkbox"/> If yes, avg. number cigarettes per day No <input type="checkbox"/>		48b. Alcohol Use During Pregnancy? Yes <input type="checkbox"/> If yes, avg. number drinks per week No <input type="checkbox"/>	
48c. Weight Gain/Loss During Pregnancy. Net pounds gained OR Net pounds lost		49. MEDICAL HISTORY FOR THIS PREGNANCY		50. OBSTETRIC PROCEDURES		51. EVENTS OF LABOR AND/OR DELIVERY		52. METHOD OF DELIVERY	
01A <input type="checkbox"/> Anemia (Hct. < 30/Hgb. < 10) 02B <input type="checkbox"/> Cardiac disease 03C <input type="checkbox"/> Acute or chronic lung disease 04D <input type="checkbox"/> Pre-existing diabetes 05E <input type="checkbox"/> Gestational diabetes 06F <input type="checkbox"/> Genital herpes 07G <input type="checkbox"/> Other STD (chlamydia, GC) 08H <input type="checkbox"/> Hydramnios/Oligohydramnios 09I <input type="checkbox"/> Hemoglobinopathy 10J <input type="checkbox"/> Hypertension, chronic 11K <input type="checkbox"/> Hypertension, pregnancy assoc 12L <input type="checkbox"/> Eclampsia 13M <input type="checkbox"/> Incompetent cervix 14N <input type="checkbox"/> Previous infant 4000+ grams 15O <input type="checkbox"/> Previous preterm or small-for gestational-age infant 16P <input type="checkbox"/> Renal disease 17Q <input type="checkbox"/> Rh sensitization 18R <input type="checkbox"/> Uterine bleeding 19S <input type="checkbox"/> None 20T <input type="checkbox"/> Other Specify:		01A <input type="checkbox"/> Amniocentesis 02B <input type="checkbox"/> Electronic fetal monitoring 03C <input type="checkbox"/> Induction of labor 04D <input type="checkbox"/> Stimulation of labor 05E <input type="checkbox"/> Tocolysis 06F <input type="checkbox"/> Ultrasound 07G <input type="checkbox"/> Postpartum sterilization 08H <input type="checkbox"/> None 09I <input type="checkbox"/> Other Specify:		01A <input type="checkbox"/> Vaginal 02B <input type="checkbox"/> Vaginal after previous C-section 03C <input type="checkbox"/> Primary C-section 04D <input type="checkbox"/> Repeat C-section 05E <input type="checkbox"/> Forceps 06F <input type="checkbox"/> Vacuum		01A <input type="checkbox"/> Anemia (Hct. < 39/Hgb. < 13) 02B <input type="checkbox"/> Birth injury 03C <input type="checkbox"/> Hyaline membrane disease/RDS 04D <input type="checkbox"/> Meconium aspiration syndrome 05E <input type="checkbox"/> Assisted ventilation < 30 min 06F <input type="checkbox"/> Assisted ventilation ≥ 30 min 07G <input type="checkbox"/> Seizures 08H <input type="checkbox"/> None 09I <input type="checkbox"/> Other Specify:		01A <input type="checkbox"/> Anencephalus 02B <input type="checkbox"/> Spina Bifida/Meningocele 03C <input type="checkbox"/> Hydrocephalus 04D <input type="checkbox"/> Microcephalus 05E <input type="checkbox"/> Other cent. nerv. sys. anomalies Specify: 06F <input type="checkbox"/> Heart malformations 07G <input type="checkbox"/> Other circ./respir. anomalies Specify: 08H <input type="checkbox"/> Rectal atresia/stenosis 09I <input type="checkbox"/> Tracheo-esophageal fistula/Esoophageal atresia 10J <input type="checkbox"/> Omphalocele/Gastroschisis 11K <input type="checkbox"/> Other gastrointestinal anomalies Specify: 12L <input type="checkbox"/> Malformed genitalia 13M <input type="checkbox"/> Renal agenesis 14N <input type="checkbox"/> Other urogenital anomalies Specify: 15O <input type="checkbox"/> Cleft lip/palate 16P <input type="checkbox"/> Polydactyly/Syndactyly/Adactyly 17Q <input type="checkbox"/> Club foot 18R <input type="checkbox"/> Diaphragmatic hernia 19S <input type="checkbox"/> Other musculoskeletal/integumental anomalies Specify: 20T <input type="checkbox"/> Down syndrome 21U <input type="checkbox"/> Other chromosomal anomalies Specify: 22V <input type="checkbox"/> None 23W <input type="checkbox"/> Other Specify:	

DOH 5040 (Rev. 8/95)
Chap. 59, Wis. State.

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND FAMILY SERVICES
ORIGINAL CERTIFICATE OF DEATH

STATE FILING DATE

Type or Print
Use
Permanent
Black Ink
No Whitening
or Erasures

Reserved for
Corrections &
Amendments

LOCAL FILE NUMBER

1. DECEDENT'S NAME First Middle Last

2. SEX M F

3. SOC. SEC. NUMBER OF DECEDENT

4. STATE DEATH NO.

5. PROHOUNCED DEAD DATE Mo Day Yr

6. HOUR

7. BODY FOUND

8. AGE From Birth (months) Mo Year

9. Under 1 yr. Mo Year

10. Under 1 day Mo Year

11. DATE OF BIRTH Mo Day Yr

12. COUNTY OF DEATH

13. DEATH OCCURRED INSIDE CITY, VILLAGE, TOWNSHIP

14. CHECK ONE: ☐ HOME ☐ NURSING HOME ☐ OTHER

15. NURSING HOME LICENSE NO.

16. MARITAL STATUS: ☐ Married ☐ Never Married ☐ Divorced ☐ Widowed

17. RESIDENCE - STATE

18. RESIDENCE - COUNTY

19. RESIDENCE - INSIDE CITY, VILLAGE, TOWNSHIP

20. RESIDENCE - OUTSIDE CITY, VILLAGE, TOWNSHIP

21. RESIDENCE - STREET

22. ZIP CODE

23. STATE OF BIRTH (Country if not in U.S.)

24. FATHER'S NAME First Middle Last

25. MOTHER'S NAME First Middle Last

26. RACE (e.g. White, Black, Am. Indian, etc.)

27. HISPANIC OR LATINO Specify Country, Mexican, etc.

28. USUAL OCCUPATION (Do not enter retired)

29. BUSINESS / INDUSTRY

30. EDUCATION Highest grade completed (Elementary to Postgraduate)

31. DECEASED OVER 100 YEARS OLD

32. SURVIVING SPOUSE: ☐ Yes ☐ No

33. SURVIVING SPOUSE: ☐ Yes ☐ No

34. INFORMANT'S NAME

35. METHOD OF DISPOSITION: ☐ Burial ☐ Cremation ☐ Other

36. PLACE OF DISPOSITION (Name of cemetery, crematorium, etc.)

37. LOCATION (City/Village/Township, State)

38. DATE SIGNED BY FUNERAL SERVICE LICENSEE

39. DATE RECEIVED FROM MED. CERT.

40. FUNERAL SERVICE LICENSE NO. (If person signing is such)

41. MED. LICENSE NO.

42. NAME AND MAILING ADDRESS OF FACILITY (Street and number, City, State, Zip)

43. MANNER OF DEATH: ☐ Natural ☐ Non-natural ☐ Accidental ☐ Suicide ☐ Pending

44. DATE OF INJURY Mo Day Yr

45. HOUR OF INJURY

46. PLACE OF INJURY (Home, Street, Farm, etc.)

47. INJURY AT WORK? ☐ Yes ☐ No

48. LOCATION (Street or Rte., City or Vll., and State in which injury occurred)

49. COUNTY

50. MEDICAL CERTIFIER'S NAME

51. MED. PHYSICIAN LICENSE NO. CME Code

52. REGISTRAR SIGNATURE

53. DATE RECEIVED BY REGISTRAR (Mo. Day Yr.)

54. CERTIFYING PHYSICIAN: To the best of my knowledge and belief, I have pronounced and occurred at the time and place stated above.

55. CORONER/ME: I have examined the body and investigated in my opinion, death was pronounced and occurred at the time(s) and place(s) stated above.

56. MEDICAL CERTIFIER SIGNATURE & TITLE (Check one)

57. CERTIFIER'S MAILING ADDRESS (Street & number, City, State, Zip)

58. PART I: Enter the diseases, injuries or complications that caused the death. Do not enter the mode of dying such as cardiac or respiratory arrest, shock or heart failure. List only one cause of death on each line. Do not list old age or senility as sole cause.

IMMEDIATE CAUSE

(Final disease or condition resulting in death)

Sequitally list conditions if any, leading to immediate cause. ENTER UNDERLYING CAUSE LAST. (Disease or injury that initiated events resulting in death)

Interval between onset and death

PART II: Check significant conditions contributing to death by X, not resulting in underlying cause death in Part I.

59. IF INJURY, DESCRIBE HOW INJURY OCCURRED

STATE OF WISCONSIN
DEPARTMENT OF HEALTH AND FAMILY SERVICES
REPORT OF FETAL DEATH
FOR STATISTICAL PURPOSES ONLY

DOH 5042 Rev. 9-95
Chapter 69, Wis. State

STATE FILING NO.

Type or Print in Permanent Black Ink

NAME (First, Middle, Last) (Optional - May be left blank)		1. DATE OF DELIVERY (Month, Day, Year)	2. HOUR	3. SEX Male Female
4a. Fertility Single, Twin, Triplet, etc. (Specify)	4b. IF NOT SINGLE Specify: First, Second, etc.	5. HOSPITAL - NAME and CAMPUS (If not in hospital, give street and number or location)		
6. COUNTY OF DELIVERY	7. DELIVERY OCCURRED INSIDE CITY, VILLAGE, TOWNSHIP		8. (CHECK ONE) City Village Township	
9. ATTENDANT NAME	10. WISCONSIN LICENSE NUMBER	11. TITLE 1. M.D. 2. D.O. 3. Other 4. Other 5. Other		
12a. FILING PARTY (s) (ss, 18151a) NAME AND TITLE		12b. DATE REPORT COMPLETED (Month, Day, Year)		
13. MAILING ADDRESS OF FILING PARTY (Street & Number - City, State, ZIP)				
14. NAME AND COMPLETE ADDRESS OF FACILITY DISPOSING OF REMAINS				
15. MOTHER'S CURRENT NAME (First, Middle, Last)		16. MOTHER'S BIRTH SURNAME		
17. RESIDENCE - STATE	18. RESIDENCE - COUNTY	19. RESIDENCE INSIDE CITY, VILLAGE, TOWNSHIP		20. (CHECK ONE) City Village Township
CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY				
21. IS MOTHER MARRIED? (at any time between conception and delivery) YES NO		22a. MOTHER'S DATE OF BIRTH (Month, Day, Year)		22b. FATHER'S DATE OF BIRTH (Month, Day, Year)
23. RACE White, Black, Amer. Ind., etc.	24. HISPANIC ORIGIN Specify Cuban, Mexican, Puerto Rican, etc.	25. EDUCATION Specify Grade Completed None 1-12 13-16 17-19 20-24 25+	26. EMPLOYMENT ONE YEAR AGO Specify occupation Kind of business or industry	27. PREVIOUS DELIVERIES (Exclude this delivery) Live births Stillborns (Stillborns or more) a. Number b. Number c. Number d. Number
28. MONTH OF PREGNANCY PRENATAL CARE BEGAN (Month 1-9; Not prenatal)	29. TOTAL NUMBER OF PRENATAL VISITS	30. DATE LAST NORMAL MENSTRUATION (Month, Day, Year)	31. CLINICAL ESTIMATE OF GESTATION (Weeks)	32. DATE OF LAST LVS BIRTH (Month, Year)
33. CIGARETTE USE DURING PREGNANCY YES NO If yes, avg. number cigarettes per day	34. ALCOHOL USE DURING PREGNANCY? YES NO If yes, avg. number drinks per week	35. WEIGHT GAIN/LOSS DURING PREGNANCY Net pounds gained OR lost		
36. PART I FETAL DEATH CAUSED BY: Fetal or maternal condition directly causing fetal death A. Immediate Cause Fetal and/or maternal conditions, if any, giving rise to the immediate cause (A) stating the underlying cause last B. Due to, or as a consequence of C. Due to, or as a consequence of		37. FETUS DIED 1. Before Labor 2. During Labor 3. During Delivery 4. Unknown		
38. PART II OTHER SIGNIFICANT CONDITIONS of fetus or mother: conditions contributing to fetal death but not related to cause given in PART I (A)		39. BIRTHWEIGHT OF FETUS (Original unconverted lbs. or grams)		
40. CROWN - HEEL LENGTH (Original unconverted inches or centimeters)		41. GROWTH - HEEL LENGTH (Original unconverted inches or centimeters)		
CHECK ALL THAT APPLY				
39. MEDICAL HISTORY FOR THIS PREGNANCY 01A <input type="checkbox"/> Anemia (Hct. < 30/Hgb. < 10) 02B <input type="checkbox"/> Cardiac disease 03C <input type="checkbox"/> Acute or chronic lung disease 04D <input type="checkbox"/> Pre-existing Diabetes 05E <input type="checkbox"/> Gestational Diabetes 06F <input type="checkbox"/> Genital Herpes 07G <input type="checkbox"/> Other STD (Chlamydia, GC) 08H <input type="checkbox"/> Hydramnios/Oligohydramnios 09I <input type="checkbox"/> Hemoglobinopathy 10J <input type="checkbox"/> Hypertension, chronic 11K <input type="checkbox"/> Hypertension, pregnancy assoc. 12L <input type="checkbox"/> Eclampsia 13M <input type="checkbox"/> Incompetent cervix 14N <input type="checkbox"/> Previous infant 4000+ grams 15O <input type="checkbox"/> Previous preterm or small-for-gestational-age infant 16P <input type="checkbox"/> Renal Disease 17Q <input type="checkbox"/> Rh sensitization 18R <input type="checkbox"/> Uterine Bleeding 19S <input type="checkbox"/> None 20T <input type="checkbox"/> Other Specify:		41. EVENTS OF LABOR AND/OR DELIVERY 01A <input type="checkbox"/> Febrile (> 100 F or 38 C) 02B <input type="checkbox"/> Meconium, Moderate/Heavy 03C <input type="checkbox"/> Prem. rupture of membranes (> 12 hrs) 04D <input type="checkbox"/> Abruptio placenta 05E <input type="checkbox"/> Placenta previa 06F <input type="checkbox"/> Other excessive bleeding 07G <input type="checkbox"/> Seizures during labor 08H <input type="checkbox"/> Precipitous labor (< 3 hrs) 09I <input type="checkbox"/> Prolonged labor (> 26 hrs) 10J <input type="checkbox"/> Dysfunctional labor 11K <input type="checkbox"/> Breech 12L <input type="checkbox"/> Other malpresentation 13M <input type="checkbox"/> Cephalopelvic disproportion 14N <input type="checkbox"/> Cord prolapse 15O <input type="checkbox"/> Anesthetic complications 16P <input type="checkbox"/> Fetal distress 17Q <input type="checkbox"/> None 18R <input type="checkbox"/> Other Specify:		
42. OBSTETRIC PROCEDURES 01A <input type="checkbox"/> Amniocentesis 02B <input type="checkbox"/> Electronic fetal monitoring 03C <input type="checkbox"/> Induction of labor 04D <input type="checkbox"/> Stimulation of labor 05E <input type="checkbox"/> Tocolysis 06F <input type="checkbox"/> Ultrasound 07G <input type="checkbox"/> Postpartum sterilization 08H <input type="checkbox"/> None 09I <input type="checkbox"/> Other Specify:		43. ASSESSMENT (Check Each One) 01A <input type="checkbox"/> External Clinical Eval. 02B <input type="checkbox"/> Autopsy 03C <input type="checkbox"/> Photographs 04D <input type="checkbox"/> X-Rays 05E <input type="checkbox"/> Chromosomal Studies 06F <input type="checkbox"/> Placental Exam 07G <input type="checkbox"/> Cultures (infectious)		
44. CONGENITAL ANOMALIES OF FETUS 01A <input type="checkbox"/> Anencephalus 02B <input type="checkbox"/> Spina bifida/Meningocele 03C <input type="checkbox"/> Hydrocephalus 04D <input type="checkbox"/> Microcephalus 05E <input type="checkbox"/> Other Cent. Nerv. Sys. anomalies Specify: 06F <input type="checkbox"/> Heart malformations 07G <input type="checkbox"/> Other Circ./respir. anomalies Specify: 08H <input type="checkbox"/> Rectal atresia/stenosis 09I <input type="checkbox"/> Tracheo-esophageal fistula/Esophageal atresia 10J <input type="checkbox"/> Omphalocele/Gastroschisis 11K <input type="checkbox"/> Other gastrointestinal anomalies Specify: 12L <input type="checkbox"/> Malformed genitalia 13M <input type="checkbox"/> Renal agenesis 14N <input type="checkbox"/> Other urogenital anomalies Specify: 15O <input type="checkbox"/> Cleft lip/palate 16P <input type="checkbox"/> Polydactyly/Syndactyly/Adactyly 17Q <input type="checkbox"/> Club foot 18R <input type="checkbox"/> Diaphragmatic hernia 19S <input type="checkbox"/> Other musculoskeletal/integumental anomalies Specify: 20T <input type="checkbox"/> Down syndrome 21U <input type="checkbox"/> Other chromosomal anomalies Specify: 22V <input type="checkbox"/> None 23W <input type="checkbox"/> Pending Assess. 24X <input type="checkbox"/> Other Specify:				

NOTE: THIS FORM IS REQUIRED FOR ANY DELIVERY OF 20 WEEKS OR MORE GESTATION OR IF FETUS WEIGHS 350 GRAMS OR MORE WHEN DEATH IS INDICATED BY THE FACT THAT THE FETUS SHOWS NO EVIDENCE OF LIFE. THIS FORM IS NOT TO BE USED FOR INDUCED ABORTIONS.

Sources, Definitions and Explanations of Terms

National Data. Unless otherwise noted, national data used in this report were cited from Curtin SC, Martin JA. Births: Preliminary data for 1999. *National Vital Statistics Reports*, Vol. 48, No. 14. Hyattsville, Maryland: National Center for Health Statistics, 2000.

Race/Ethnicity Classifications. All live births, fetal deaths and infant deaths were classified by race or Hispanic origin of mother into one of six categories: non-Hispanic white, non-Hispanic black, non-Hispanic American Indian, Hispanic, non-Hispanic Laotian/Hmong, and non-Hispanic other (which are almost entirely Asian). The Laotian/Hmong category consists of mothers whose race was indicated as “Laotian” or “Hmong” and mothers born in Laos. Hispanics may be of any race; in Wisconsin, approximately 96 percent of Hispanic women giving birth report their race as white.

Prior to 1994, Wisconsin birth reports included a race/ethnicity category labeled “Indochinese.” Beginning in 1994, this category was redefined as “Laotian/Hmong” (who constituted approximately 95 percent of the Indochinese category). The remaining 5 percent of births in the Indochinese category were reallocated to the “Other” grouping; this includes Vietnamese, Cambodian, Thai, Chinese, Japanese, and East Indian.

Birth Certificate Checklists. Beginning in 1989, data on maternal health, pregnancy, delivery, and some dimensions of birth outcomes were collected in the following birth certificate checklists: “Medical history for this pregnancy,” “Obstetric procedures,” “Events of labor and/or delivery,” “Method of delivery,” “Abnormal conditions of the newborn,” and “Congenital anomalies of child” (see sample birth certificate, pages 97 and 98). These data were previously collected in a fill-in-the-blank format. Thus, data presented in annual reports for 1982-1988 on risk and treatment (“Type of delivery,” “Concurrent conditions of pregnancy,” “Complications of pregnancy,” “Complications of delivery,” and “Congenital anomalies”) are not comparable to the data presented in annual reports since 1989 (*Maternal and Child Health Statistics* and *Wisconsin Births and Infant Deaths*).

Also to be noted are the limitations on comparability that relate to changes in the editing of the medical checklist items since 1989. Each checklist (with the exception of “Method of delivery”) has an “other-specify” checkbox. Conditions reported in the “other-specify” category have been edited to exclude invalid reports from the database, and to ensure that those conditions that belong elsewhere in a checklist are properly reported. The editing process has varied each year, which affects comparability. This most affects data on “Medical history for this pregnancy” and “Congenital anomalies of child;” it also affects comparability of “Events of labor and/or delivery” and “Abnormal conditions of the newborn.” In 1990, this editing was done only for the “Congenital anomalies” and “Abnormal conditions” checklists. The decline in the reporting of congenital anomalies on birth certificates can be explained largely by new edits adopted in 1994 that eliminate conditions formerly counted and by reduction of the average length of hospital stay for mothers and infants after delivery.

Definitions of "Medical Risk Factors for this Pregnancy," "Obstetric Procedures," "Complications of Labor and/or Delivery," "Abnormal Conditions of the Newborn" and "Congenital Anomalies of Child" were adapted from:

National Center for Health Statistics. Advance report of new data from the 1989 birth certificate. *Monthly Vital Statistics Report*; Vol. 40, No. 12, Supplement. Hyattsville, Maryland: Public Health Service, 1997.

Prematurity. Births were classified as premature (less than full term) if the gestational age was less than 37 weeks. To determine gestational age, a prematurity index is used; this is usually based on the computed estimate of gestational age, which is the difference between the date of last normal menses and the date of the infant's birth. The clinical estimate of gestational age (reported by the physician directly on the birth certificate) is substituted when the date of last normal menses is unknown. The use of this index decreases the number of unknown records on gestational age.

Mortality.

Infant Death. The birth-death cohort is not completed until one full year after the end of the birth cohort calendar year. This publication reports mortality data on infants who died during 1999, rather than the mortality experience of the 1999 birth cohort, to allow more timely reporting on infant mortality.

Causes of Death. Causes of death in this report have been coded according to the International Classification of Diseases (ICD), Tenth Edition. Before the 1999 data year, causes of death were coded according to the ICD, Ninth Edition. This change does not affect comparability between years for four of the five leading causes of infant death shown in this report (Conditions Originating in the Perinatal Period; Congenital Malformations, Deformations and Chromosomal Anomalies; Sudden Infant Death Syndrome or SIDS; and Accidents – see Page 31). The fifth leading cause of infant death in 1999 (Diseases of the Respiratory System) was affected by coding changes so is not readily comparable between 1999 and earlier years.

Fetal Death. A fetal death or stillbirth is "a fetus which, after complete expulsion or extraction from the woman, does not breathe or show other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles." By Wisconsin statute, a stillbirth of at least 20 weeks' gestation or 350 grams must be reported. (Note: A fetal death report is not used for induced abortions.) Some 1999 stillbirths (fetal deaths) to Wisconsin residents are not included in this publication because some were less than 20 weeks' gestation, some occurred outside Wisconsin, and an unknown number that occurred within the state were not reported.

Perinatal Death. Includes all reported fetal deaths of 20 or more weeks of gestation and all neonatal deaths (deaths of liveborn infants occurring before 28 days of age).

Maternal Deaths. There were six deaths in 1999 for which a maternal cause of death was reported on the death certificate. Before 1989, and beginning again in 1994, the Center for Health Statistics (now the Bureau of Health Information) followed up deaths of women of

childbearing age with inquiries about pregnancy-related causes of death. Maternal deaths from 1989-1993 may be underreported because this special study was not conducted.

Perinatal Regions. These tables present birth information for each of the seven Perinatal Regions in Wisconsin (see Map 2, page 97). These regions were informally designated in the early 1970s by the Wisconsin Association for Perinatal Care, in cooperation with organizations representing public and private providers of perinatal services. Perinatal regions represent geographical boundaries within which arrangements exist among providers of perinatal services to facilitate optimal treatment for pregnant women and newborns. Within each region, selected hospitals with the capability to provide neonatal and maternal intensive care have been self-designated as perinatal centers. High-risk pregnancies and deliveries are often referred to or transported to these perinatal centers, as are high-risk babies born outside perinatal centers. Health care providers within the regions also collaborate in other ways to address perinatal health care issues as they arise.

Limitations of the Data. Vital records information has some limitations related to completeness, accuracy, and timeliness of registration, quality control procedures and classification problems. The reporting of live births and infant deaths is considered to be essentially complete for births occurring in Wisconsin. A cooperative exchange program between all states has been in operation for several decades to allocate birth and death certificates to the state of residence. Although this exchange program is not totally complete, the incompleteness is not of sufficient magnitude to seriously affect natality and infant mortality results.

Edit checks are incorporated in the software used for electronic transmission of birth certificate data, and the Vital Records Registration and Statistics Unit in the Bureau of Health Information reviews birth certificates and death certificates for logical inconsistencies. Some errors remain after this review, but they are thought to have little, if any, effect on statistical results.

There may be some underreporting of medical risk factors and types of obstetrical procedures performed. There may also be underreporting of congenital anomalies which are identifiable at birth; in addition, some congenital anomalies cannot be detected at the time the birth certificate is filed.

Medical Risk Factors for This Pregnancy: Definitions

<i>Anemia</i>	Maternal hemoglobin level of less than 10.0 g/dL during pregnancy, or a hematocrit of less than 30 percent during pregnancy.
<i>Cardiac Disease</i>	Disease of the heart.
<i>Acute or Chronic Lung Disease</i>	Disease of the lungs during pregnancy.
<i>Diabetes</i>	Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset, and gestational diabetes during pregnancy.
<i>Genital Herpes</i>	Infection of the skin of the genital area by herpes simplex virus.

<i>Hydramnios/ Oligohydramnios</i>	Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.
<i>Hypertension, Chronic</i>	Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20 th week of gestation.
<i>Hypertension, Pregnancy- Associated</i>	An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken six hours apart after the 20th week of gestation.
<i>Eclampsia</i>	The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.
<i>Incompetent Cervix</i>	A condition characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through the cervix and ballooning of the membranes into the vagina, followed by rupture of the membranes and subsequent expulsion of the fetus.
<i>Previous Infant 4,000+ Grams</i>	Previous birth of a live-born child with a birthweight of over 4,000 grams (8 lbs 14 oz).
<i>Previous Preterm or SGA Infant</i>	Previous birth of an infant prior to term (before 37 completed weeks of gestation), or of an infant weighing less than the 10th percentile for gestational age, using a standard weight-for-age chart. (SGA means “small for gestational age”).
<i>Renal Disease</i>	Kidney disease.
<i>Rh Sensitization</i>	The process or state of becoming sensitized to the Rh blood factor, as when an Rh-negative woman is pregnant with an Rh-positive fetus.
<i>Uterine Bleeding</i>	Any clinically significant bleeding during the pregnancy, taking into consideration the stage of pregnancy; any second- or third-trimester bleeding of the uterus prior to the onset of labor.

Obstetric Procedures: Definitions

<i>Amniocentesis</i>	Surgical transabdominal perforation of the uterus to obtain amniotic fluid to be used in the detection of genetic disorders, fetal abnormalities, and fetal lung maturity.
<i>Electronic Fetal Monitoring</i>	Monitoring with external devices applied to the maternal abdomen or with internal devices with an electrode attached to the fetal scalp and a catheter through the cervix into the uterus, to detect and record fetal heart tones and uterine contractions.

<i>Induction of Labor</i>	The initiation of uterine contractions before the spontaneous onset of labor by medical and/or surgical means for the purpose of delivery.
<i>Stimulation of Labor</i>	Augmentation of previously established labor by use of oxytocin.
<i>Tocolysis</i>	Use of medications to inhibit preterm uterine contractions to extend the length of pregnancy and, therefore, avoid a preterm birth.
<i>Ultrasound</i>	Visualization of the fetus and the placenta by means of sound waves.

Congenital Anomalies: Definitions

<i>Anencephalus</i>	Absence of the cerebral hemispheres.
<i>Spina Bifida/ Meningocele</i>	Developmental anomaly characterized by defective closure of the bony encasement of the spinal cord, through which the cord and meninges may or may not protrude.
<i>Hydrocephalus</i>	Excessive accumulation of cerebrospinal fluid within the ventricles of the brain with consequent enlargement of the cranium.
<i>Microcephalus</i>	A significantly small head.
<i>Other Central Nervous System</i>	Other specified anomalies of the brain, spinal cord, and nervous system.
<i>Heart Malformations</i>	Congenital anomalies of the heart.
<i>Other Circulatory/ Respiratory</i>	Other specified anomalies of the circulatory and respiratory systems.
<i>Rectal Atresia/ Stenosis</i>	Congenital absence, closure, or narrowing of the rectum.
<i>Tracheo-Esophageal Fistula/Esophageal Atresia</i>	An abnormal passage between the trachea and the esophagus; esophageal atresia is the congenital absence or closure of the esophagus.
<i>Omphalocele/ Gastroschisis</i>	An omphalocele is a protrusion of variable amounts of abdominal viscera from a midline defect at the base of the umbilicus. In gastroschisis, the abdominal viscera protrude through an abdominal wall defect, usually on the right side of the umbilical cord insertion.
<i>Other Gastro-Intestinal</i>	Other specified congenital anomalies of the gastrointestinal system
<i>Malformed Genitalia</i>	Congenital anomalies of the reproductive organs.

<i>Renal Agenesis</i>	One or both kidneys are completely absent.
<i>Other Urogenital</i>	Other specified congenital anomalies of the organs concerned in the production and excretion of urine, together with organs of reproduction.
<i>Cleft Lip/Palate</i>	Cleft lip is a fissure or elongated opening of the lip; cleft palate is a fissure in the roof of the mouth. These are failures of embryonic development.
<i>Polydactyly/Syndactyly, Adactyly</i>	Polydactyly is the presence of more than five digits on either hands and/or feet; syndactyly is having fused or webbed fingers and/or toes; adactyly is the absence of fingers and/or toes.
<i>Clubfoot</i>	Deformity of the foot, which is twisted out of shape or position.
<i>Diaphragmatic Hernia</i>	Herniation of the abdominal contents through the diaphragm into the thoracic cavity, usually resulting in respiratory distress.
<i>Other Musculo-Skeletal/Integumental</i>	Other specified congenital anomalies of the muscles, skeleton, or skin.
<i>Down Syndrome</i>	The most common chromosomal defect, with most cases resulting from an extra chromosome (trisomy 21).
<i>Other Chromosomal</i>	All other chromosomal aberrations.